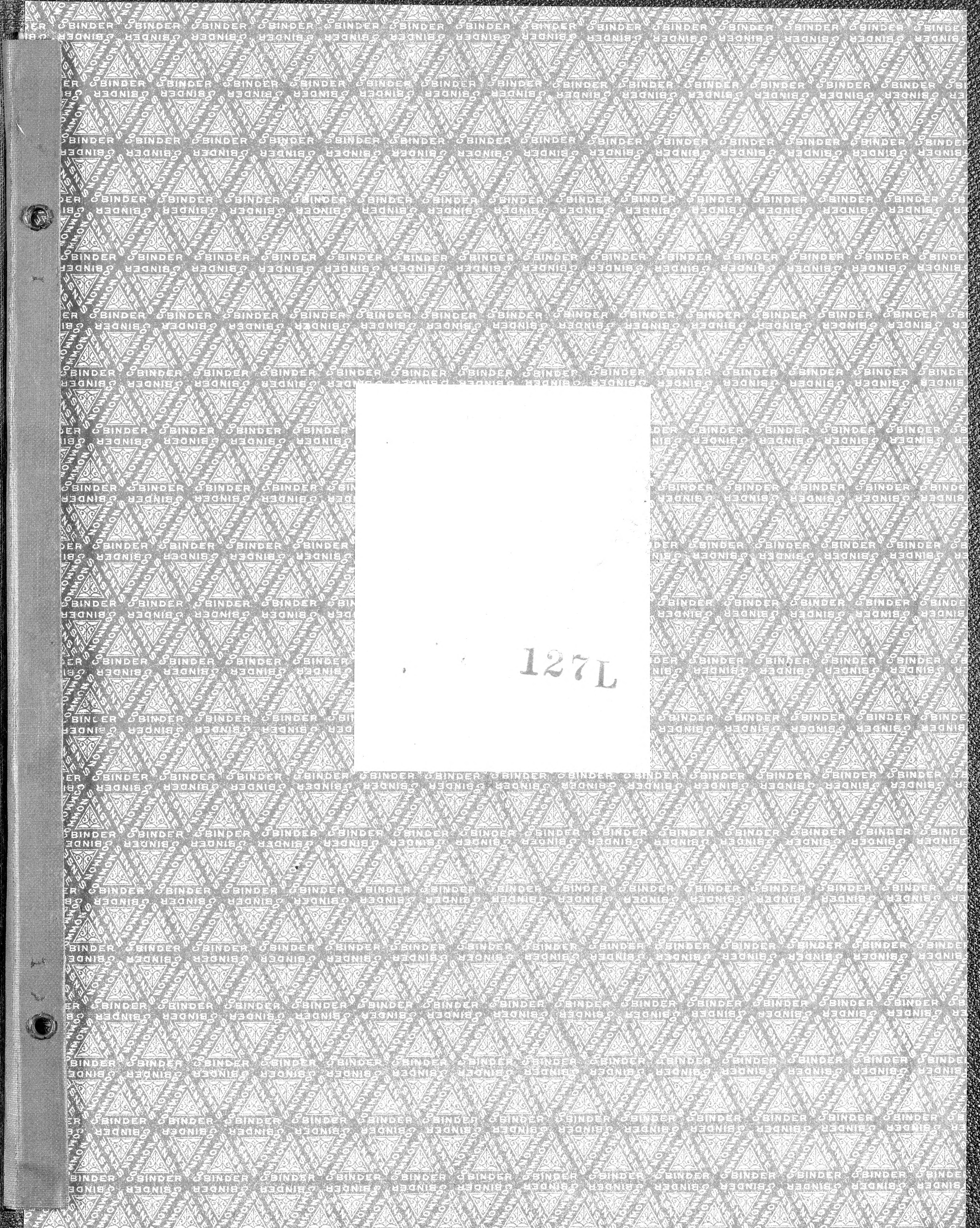
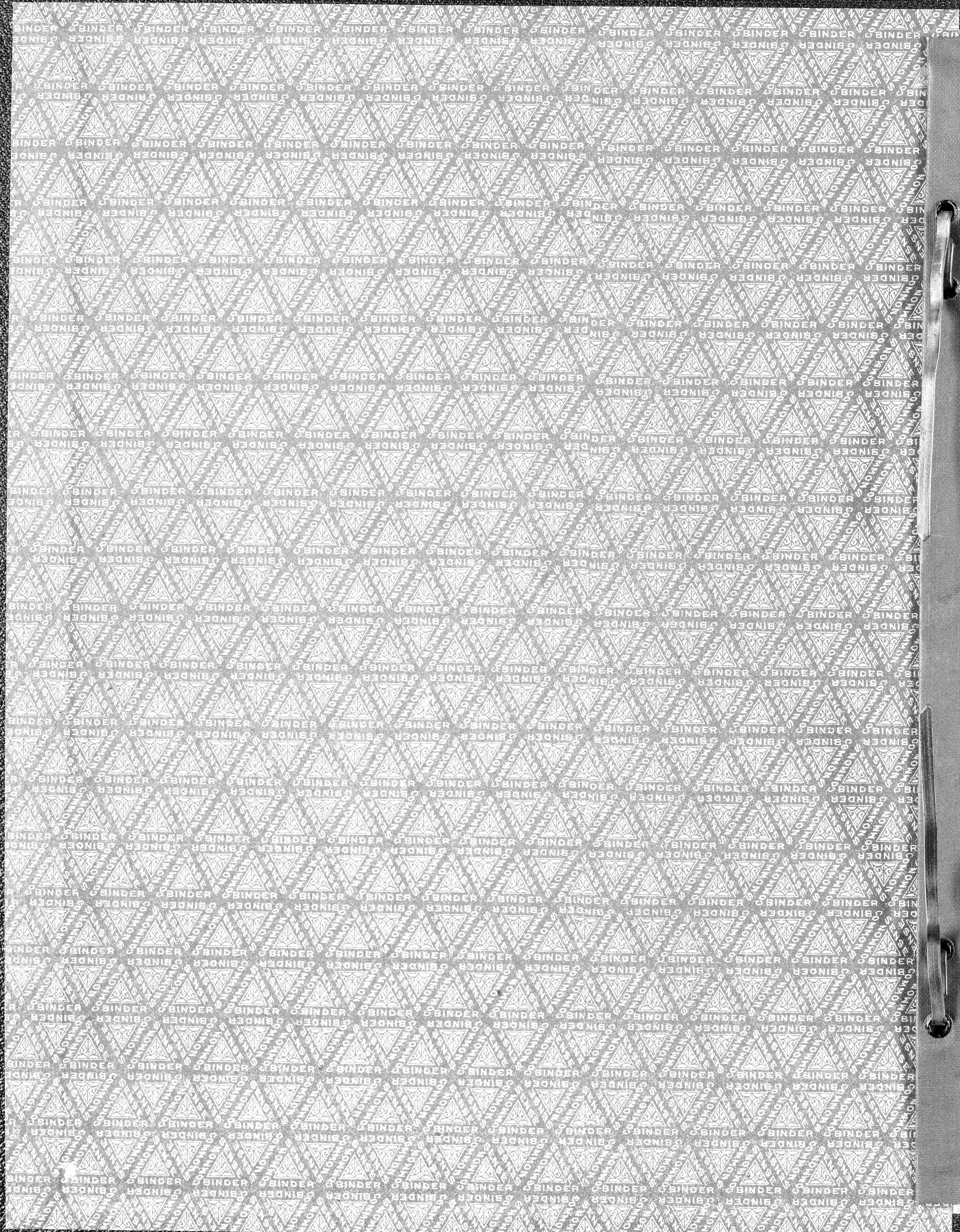


Mimosaceae of Northern

South America

N. L. Britton & J. N. Rose



offical

N-12

Thimocaceae of Northern
North America

W. L. Britton & L. H. Rose

Specimens in Herbarium of New York
Botanical Garden are cited. -

Inga Poepp.
By the species: Mimosa Inga R.
Inga in northern South America

1. § Leptinga

1. Inga Maxoniana Pittier, Contr. U. S. Nat. Herb. 18: 174. 1916.

Type locality: Aguas Negras, Antimano, Miranda, Venezuela.

Distribution: type locality and vicinity.

Illustration: Pittier, loc. cit. pl. 81.

2. Inga myriantha Poepp. & Endl. Nov. Gen. 3: 77. 1845.

Type locality: Maynas [Brazil?]

Distribution: British Guiana [Schomburgk 751; La Cruz 3863].

Northern Brazil and eastern Peru (according to Bentham)

Illustration: Pittier, Contr. U. S. Nat. Herb. 18: pl. 85;

Poepp. & Endl. loc. cit. pl. 289.

La. Inga brevipis Avitana incul
to have been [Pantia E. leuca, British Guiana, loc. cit. 1294]
descriptive written

3. Inga brevipes Benth. Journ. Bot. Hook. 2: 144. 1840.

Type locality: British Guiana.

Distribution: Known only from the type locality and to us
only from description. [Not at Washington, Aug. 1902]

3a Inga fernanii Sandwith, Kew Bull. 1931: 368, 1931.
Type locality: Marshall's Creek, Essequibo River,
British Guiana.
Distribution: British Guiana

2
4. Inga sciadon Steud. Flora 26: 758. 1843.

Type locality: Surinam.

Distribution: Dutch Guiana [Hostmann & Keppler 170]; French Guiana [Wachenheim]

5. Inga umbellifera (Vahl) Steud.; DC. Prodr. 2: 432. 1825.

Mimosa umbellifera Vahl, Eclog. 3: 30. 1807.

Type locality: South America.

Distribution: French Guiana, British Guiana, northern Brazil all according to Bentham

Illustration: Pittier. ^{Contr.} U. S. Nat. Herb. 18: pl. 87.

~~Note. Not in New York Herbarium.~~

6. Inga lateriflora Miquel, Linnaea 19: 131. 1847.

Type locality: Surinam.

Distribution: British Guiana [Jenman 6608, (?) 2248; Gleason 298; La Cruz 1080, 2209, 2233, 2558, 2560, 4228] Dutch Guiana and northern Brazil (according to Bentham)

Note. Specimens need compairson with type.

3
7. Inga virgultulosa (Vahl) Desv. Ann. Sci. Nat. 9: 426. 1826.

Mimosa virgultulosa Vahl, Eclog. 3: 32. 1807.

Type locality: Cayenne.

Distribution: French Guiana (ex Benthams; ex Benoist); and
northern Brazil (ex Benthams)

Note. Not in New York Herbarium.

[Photo of Kuntze 9446, Gray Herb., at Washington
Aug. 1932]

8. Inga heterophylla Willd. Sp. Pl. 4: 1020. 1806.

Mimosa parae Poir. in Lam. Encycl. Suppl. 1: 44. 1810.

Type locality: Para, Brazil.

Distribution: Trinidad [Bot. Gard. Herb. 1032] Guiana & ~~Columbia~~
(according to Benthams); Bolivia; Brazil. ~~Para~~.

No Columbia specimen at Washington, Oct. 1932

9. Inga sertulifera DC. Prodr. 2: 436. 1825.

Mimosa coriacea Pers. Syn. 2: 262. 1806. Not Inga coriacea H. &
B. 1806.

Inga coriacea Desv. Journ. Bot. 3: 71. 1814.

Type locality: French Guiana.

Distribution: French Guiana; Dutch Guiana [Schweinitz]; British
Guiana [Schomburgk 810; Jenman 3908, 6588; La Cruz 2245, 2311]; northern
Brazil (ex Benthams) ~~is Jussieu - see~~

Illustration: Pittier, Contr. U. S. Nat. Herb. 18: pl. 86.

4
10. Inga gracilliflora Benth. Lond. Journ. Bot. 4: 582. 1845.

Type locality: British Guiana.

Distribution: British Guiana [Roraima, Schomburgk 756]

11. Inga quaternata Poepp. & Endl. Nov. Gen. 3: 79. 1845.

Type locality: Ega, northern Brazil.

Distribution: Colombia [Ocana, Schlim, 204, ex Benthams];
northern Brazil.

Note. Not in New York Herbarium.

[Ducke 16705 at Washington, Aug. 1902]

11a. Inga santanderensis B. & R., provisional

Colombia [between Piedecuesta and Las Vegas, Santander,
Killip & Smith 15477]

11b. Inga Lawrenceana Britton & Killip,
Colombia [Boyaca, Lawrence 280]
in Britton's coll.

11c. Inga Mutisii Britton & Killip
Colombia (Mutis 3644)

2. Species with wingless petioles *vachis*

12. Inga laurina (Sw.) Willd. Sp. Pl. 4: 1018. 1806.

Mimosa laurina Sw. Prodr. 85. 1788.

Type locality: St. Kitts.

Distribution: Trinidad [Sieber 120]; Venezuela [Amazon Delta, ex Pittier]; Grenada to Hispaniola; Panama to Jalisco.

Illustration: Jacq. Stirp. Am. pl. 164, as I. fagifolia.

13. Inga punctata Willd. Sp. Pl. 4: 1016. 1806.

Type locality: Caracas, Venezuela.

Distribution: Tobago [Broadway 3909]; Dutch Guiana [Roeper];
Venezuela [Fendler 369; Pittier 11967; ? Rusby & Squires 193]; Colombia
[Toro 1073]; Panama to Guatemala. [Bolivia - Steinbach 1996]

[H. H. Smith 110; Killip 6895; Killip & Hagen 8950;
Killip & Smith 20018, 20135, 20505, 20518]

14. Inga coruscans H. & B.; Willd. Sp. Pl. 4: 1017. 1806.

Mimosa coruscans Poir. in Lam, Encycl. Suppl. 1: 43. 1810.

Type locality: South America.

Distribution: British Guiana and Colombia (according to
Bentham) Venezuela [Pittier 10235, 10309] Colombia (Ronne 1890)

14c. Inga
Venezuela (Pittier 10253, 10309, det. coruscans Pittier)

15. Inga aggregata G. Don, Gen. Syst. 2: 391. 1832.

Type locality: Peru.

Distribution: ? British Guiana (ex Bentham); Peru; Bolivia.

6
16. Inga pezizifera Benth. Lond. Journ. Bot. 4: 587. 1845.

Type locality: British Guiana.

Distribution: British Guiana [Gleason 792; La Cruz 4112];
French Guiana [Wachenheim]

17. Inga alba (Sw.) Willd. Sp. Pl. 4: 1013. 1806.

Mimosa alba Sw. Prodr. 85. 1788.

Type locality: Cayenne.

Distribution: French Guiana [ex Herb. Paris]; British Guiana
[Gleason 287; La Cruz 2763, 2832]; Venezuela [Lower Orinoco, Rusby &
Squires 186] *might have*

18. Inga stipularis DC. Mem. Leg. 440, 1825

Type locality: Cayenne

Distribution: French Guiana [Godebert]; Dutch Guiana [Kegel
847]; northern Brazil (ex Bentham)

18a. Inga capitata Desv. Journ. Bot. 3: 71. 1814.

Inga albicans Walp. Linnaea 14: 298. 1840.

Type locality: America.

Distribution: French Guiana (ex Benoist). Brazil.

Illustration: Mart. Fl. Bras. 15²: pl. 128.

7
19. Inga stenocalyx Spruce; Benth. Trans. Linn. Soc. 30: 611. 1875.

Type locality: summit of Mount Guayrapurina, Ecuador.

Distribution: Known only from the type locality and to us only from the description.

20. Inga leiocalycina Benth. Lond. Journ. Bot. 4: 598. 1845.

Type locality: British Guiana.

Distribution: French Guiana [Sagot 780; Melinon]; British Guiana [Schomburgk 829; Jenman 6964; Hitchcock 17158; La Cruz 3599]

21. Inga juglandifolia Willd. Sp. Pl. 4: 1018. 1806.

Mimosa juglandifolia Poir, in Lam. Encycl. Suppl. 1: 44. 1810.

Type locality: Caracas, Venezuela.

Distribution: Known only from the type locality and to us from description only.

Note. Perhaps same as Inga nobilis; see Pittier, Arb. & Arb. Legum. 24. [Not at Washington, Aug. 1932]

22. Inga nobilis Willd. Enum. Hort. Berol. 1047. 1809.

Inga corymbifera Benth. Journ. Bot. Hook. 2: 144. 1840.

Inga Riedeliana Benth. Lond. Journ. Bot. 4: 595. 1845.

Inga sericantha Miquel, Linnaea 19: 132. 1847.

Type locality: Brazil.

Distribution: French Guiana [Sagot 1080; Karonany; Leschenault; Melinon]; British Guiana [Schomburgk 839; Samuels 96;

8

Jenman 4181; Persaud 22, 121?; La Cruz 1472, 2629]; Venezuela[^] (ex Pittier); Ecuador and Colombia (ex Benthams); Brazil.

23. Inga Humboldtiana H.B.K. Nov. Gen. 6: 285. 1824. = *H. nobilis*

Type locality: Magdalena River, Colombia.

Distribution: Colombia [André 364, from type region; 1939; Triana 4461; Pennell 4162] Venezuela? See Pittier 10944, 10983

*L. 1. Inga Humboldtiana H.B.K.
Colombia (André 364, 1939; Triana 4461, 1914)*

24. Inga acrocephala Steud. Flora 26: 759. 1843.

Type locality: Surinam.

Distribution: Dutch Guiana. Known to me from description only.

[Det. at U.S. Nat. Herb. 1912]

25. Inga Ruiziana G. Don, Gen. Syst. 2: 391. 1832.

Inga foliosa Benth. Lond. Journ. Bot. 4: 597. 1845.

Type locality: Peru.

Distribution: Colombia [Lehmann 8986, det. Pittier]; Brazil; Peru.

Illustration: Pittier, Contr. U. S. Nat. Herb. 18: pl. 95, legume.

Note. See Persaud, British Guiana, 121, under I. nobilis for similar legume.

26. Inga Thibaudiana DC. Prodr. 2: 434. 1825.

Inga gladiata Desv. Ann. Sci. Nat. I. 9: 427. 1826.

Type locality: Cayenne.

Distribution: Trinidad [McLean 7704; Broadway 8487; Dannouse; Britton & Hazen 1593; Britton & Coker 1756; Britton 2836]; Venezuela [Pittier 8798]; French Guiana [Wachenheim; Broadway 726, 700; Melinon 137, 565]; British Guiana [Gleason 206, 288, 592; Hitchcock 17248; La Cruz 1016, 1595, 1793, 2354, 3576, 4201]; Dutch Guiana (ex Bentham); Brazil.

27. Inga darienensis Seem. Bot. Voy. Herald 117. 1853.

Type locality: Cape Corrientes, Colombia.

Distribution: Known only from the type locality.

Illustration: Seem. loc. cit. pl. 23.

28. Inga bracteosa Benth. Lond. Journ. Bot. 4: 609. 1845.

Type locality: British Guiana.

Distribution: British Guiana, and French Guiana (according to Bentham). *Photo & fragment of specimen long R 695, type.*

Note. ~~Not in New York Herbarium. Calyx 1 inch. long; corolla 1 1/2 inches long.~~

10
29. Inga rubiginosa (Rich.) DC. Prodr. 2: 434. 1825.

Mimosa rubiginosa Rich. Act. Soc. Hist. Nat. Paris, 1: 113.
1792.

Type locality: Cayenne

Distribution: French Guiana [Wachenheim] British Guiana ~~ex~~
Bentham) *ex P. and M. R.*

30. Inga melinonis Sagot (Published) ?

French Guiana [Wachenheim]; British Guiana [Gleason 148]

Note. Name not in Kew Index, nor in Card Catalogue.

31. Inga cycladenia Pittier, Contr. U. S. Nat. Herb. 18: 184. 1916.

Type locality: Micay-Sayja and Timbiqui, Colombia.

Distribution: *Lehmann 662*
Known only from the type locality [Lehmann 662]

Yellon 1001; Joro 1943

32. Inga popayenensis Pittier, Contr. U. S. Nat. Herb. 18: 185. 1916.

Type locality: highlands of Popayan, Colombia.

Distribution: Known only from the type locality [Lehmann 5751]

Illustration: Pittier, loc. cit. pl. 91. *14935*

33. Inga ierensis Britton, Bull. Torr. Club 50: 52. 1922.

Type locality: Maracas Valley, Trinidad.

Distribution: Trinidad [Britton & Hazen 1627; Trim. Herb. 11636]

from the description and illustration

34. Inga semiglabra Pittier, Contr. U. S. Nat. Herb. 18: 186. 1916.

Type locality: El Recreo, Ecuador. (*Eggert 10464, 10465, 10466*)

Distribution: Known only from the type locality ~~and to us only from the description and illustration.~~

Illustration: Pittier, loc. cit. pl. 92.

34. Inga tenuiramea Thunberg, Report P. 2. 18. 1817. 1818

35. Inga olivacea Sprague, Trans. & Proc. Bot. Soc. Edinb. 22: 430. 1904.

Type locality: between Villa(vincencio) and Bogota, Colombia.

Distribution: Known only from the type locality and to us only from the description.

Note. Collected by Sprague - near I. nobilis. *not recorded*

I to 5. 18. 1817. 1818

36. Inga gracilior Sprague, Trans. & Proc. Bot. Soc. Edinb. 22: 431. 1904.

Type locality: Mocoa, Caqueta, Colombia.

Distribution: Known only from the type locality and to us only from description.

Note. Collected by Sprague, no. 365 - near I. leptoloba.

I to 5. 18. 1817. 1818

36a. Inga Broadwayi Britton, provisional

Vicinity of Cristobal Colon, Venezuela [Broadway 325, type; 549]

36 b. Inga huawei Britton, Arch. Gard. Bot. Rio de Janeiro
3:49. 1912
Type: ...
Dis. ...
Brazil.

36 c. Inga calagana Britton, Provisional
Calaga Valley, (Killed to write up 10165)
... ..

36 d. Inga macrantha Britton & Killip
Colombia (Killed to write up 1613)

36 e. Inga caldasiana Britton & Killip
Colombia (Killed to write up 1534)

36 f. Inga brownii Britton & Killip
Colombia (Killed to write up 1528, type 444)

13

3. Species with more or less winged petioles

37. Inga fagifolia (L.) Willd.; Benth. Trans. Linn. Soc. 30: 607.
1875.

Mimosa fagifolia L. Sp. Pl. 516. 1753.

Type locality: Barbados (ex Linnaeus)

Distribution: British Guiana [Schomburgk 918; Gardner 1583];
Venezuela (ex Benthham; not found by Pittier up to June 1928); Brazil.

Illustration: Plukenet, Alm. pl. 141, f. 2

38. Inga marginata Willd. Sp. Pl. 4: 1015. 1806.

Type locality: Caracas, Venezuela.

Distribution: Venezuela [Pittier 12146]; Colombia [Holton 1002;
Killip & Smith 16456; Toro 230, 812; Killip 11255 ?]; Ecuador (ex
Benthham); Panama to Costa Rica; Brazil, Bolivia, Peru.

38a Inga marginata Willd. ex DC. Prodr. 2: 434. 1825.
Colombia (Pittier 4927)

39. Inga Bourgoni (Aubl.) DC. Prodr. 2: 434. 1825.

Mimosa Bourgoni Aubl. Pl. Guian. 2: 941. 1773.

Type locality: French Guiana.

Distribution: French Guiana [Melinon 81]; Dutch Guiana [Vahl;
Hostmann 77]; British Guiana [Jenman 3898]

Illustration: Aublet, loc. cit. pl. 358.

39a Inga Bourgoni (Aubl.) DC. Prodr. 2: 434. 1825.
French Guiana (Melinon 81)

Inga Bourgoni (Aubl.) DC. Prodr. 2: 434. 1825.
[See type loc.]

14
40. Inga splendens Willd. Sp. Pl. 4: 1017. 1806.

Mimosa splendens Poir. in Lam. Encycl. Suppl. 1: 43. 1910.

Type locality: Para, Brazil.

Distribution: Dutch Guiana [Hostmann & Keppler 676]; British Guiana (ex Benthams); Venezuela [Orinoco, ex Benthams]; Brazil.

41. Inga floribunda Benth. Journ. Bot. Hook. 2: 143. 1840.

Type locality: British Guiana.

Distribution: British Guiana [Gleason 916, det. N. E. Brown]

42. Inga Hostmannii Pittier, Contr. U. S. Nat. Herb. 18: 188. 1916.

Type locality: Surinam

Distribution: Known only from the type locality (type in Gray Herbarium)

Note. Not in New York Herbarium.

42 a. Inga Hostmannii Pittier
Colombia (Martin 3656)

15
43. Inga setifera DC. Prodr. 2: 432. 1825.

Inga platycarpa Benth. Journ. Bot. Hook. 2: 142. 1840.

Inga affinis Steud. Flora 26: 758. 1843.

Type locality: Cayenne

Distribution: Trinidad [Kuntze 792, 864; Broadway 2242;
McLean; Britton 2507; Bailey]; French Guiana [Leprieur]; British Guiana
[Jenmann 5266; Gleason 4546; La Cruz 1802]; Dutch Guiana (ex Bentham);
Brazil. Venezuela [Holt & Krieger 323]

44. Inga Langlassei Pittier, Contr. U. S. Nat. Herb. 18: 189. 1916.

Type locality: western Cordillera, Cauca Valley, Colombia.

(Langlasse 63, type photo a fragment)
Distribution: Known only from the type locality.

Note. Not in New York Herbarium, but in Washington Herbarium.

* Mimosa lucida Vahl, Eclog. 3: 31. 1807.

45. Inga pilosula (Rich.) Gleason, ined.

Mimosa pilosula Rich. Act. Soc. Hist. Nat. Paris 1: 113. 1792.

Inga pilosiuscula Desv. Journ. Bot. 1: 71. 1814.

Type locality: Cayenne

Distribution: French Guiana [Broadway 553]; northern Brazil
(ex Bentham)

Illustration: Vahl, loc. cit. pl. 24.

46. Inga macrantha Johnston, Proc. Am. Acad. 40: 688. 1905.

Type locality: Margarita Island, Venezuela.

Distribution: Known only from Margarita [Johnston 25]

16
47. Inga Heinii Harms, Repert. 19: 62. 1923.

Type locality: Hacienda El Negrito, Venezuela.

Distribution: central Venezuela (ex Pittier, Arb. & Arb. Legum.

25)

Note. Not identified at New York, April, 1928.

[Not at New York, Apr. 1928]

48. Inga sordida Pittier, Contr. U. S. Nat. Herb. 18: 191. 1916.

Type locality: Popayan, Cauca, Colombia.

Distribution: Known only from the type locality (Lehmann 904,
in Herb. Donnell Smith) [Not a frequent]

49. Inga densiflora Benth. Trans. Linn. Soc. 30: 617. 1875.

Type locality: near Tarapoto, eastern Peru.

Distribution: Colombia [Ibaque, Triana] Peru. *Incauca (Andes 8615)*

Illustration: Pittier, Contr. U. S. Nat. Herb. 18: pl. 97.

50. Inga nuda Salzm.; Benth, Lond. Journ. Bot. 4: 607, 1845.

Type locality: Bahia, Brazil.

Distribution: French Guiana (ex Benth); Brazil.

Note. Not in New York Herbarium.

[Not at New York, Apr. 1928]

51. Inga acuminata Benth. Lond. Journ. Bot. 4: 600. 1845.

Type locality: Trinidad.

Distribution: Trinidad [Prestoe 1043; Britton, Freeman & Nowell 2575]; Venezuela [Pittier 8977; ? Broadway 743]

52. Inga disticha Benth. Journ. Bot. Hook. 2: 143. 1840.

Type locality: Essequibo River, British Guiana.

Distribution: ~~Known only from the type locality and to us from description only.~~

53. Inga Hartii Urban, Symb. Ant. 1: 311. 1899.

Type locality: Trinidad.

Distribution: Trinidad [Trin. Herb. 1154; Arima, Dannnouse 7710; Blue Basin, McLean 7709]; Venezuela [Cristobal Colon, ex Pittier, but needs confirmation]

Note. See Inga panamensis

54. Inga spectabilis (Vahl) Willd. Sp. Pl. 4: 1017. 1806.

Mimosa spectabilis Vahl, Skr. Nat. Selsk. Kjob. 2¹: 219. 1792.

Inga fulgens Kunth, Mim. 36. 1819.

Inga lucida H.B.K. Nov. Gen. 6: 287. 1824.

Type locality: Santa Marta, Colombia.

Distribution: Colombia [Lehmann B. T. 686; Toro 452]; Panama;

Costa Rica.

Illustrations: Vahl, loc. cit. pl. 10; Kunth, loc. cit. pl. 11.

18
55. Inga macrophylla H. & B.; Willd. Sp. Pl. 4: 1015. 1806.

Mimosa macrophylla Poir. In Lam. Encycl. Suppl. 1: 42. 1810.

Inga calocephala Peopp. & Endl. Nov. Gen. 3: 78. 1845.

Type locality: South America.

Distribution: ? Venezuela, Orinoco (ex Benth; see Pittier Arb. & Arb. Legum. 26); Brazil and Peru (ex Benth)

Note. Not in New York Herbarium.
[Handwritten: I have seen it in the ...]

56. Inga brachyptera Benth. Lond. Journ. Bot. 4: 610. 1845.

Type locality: Tumaco, Colombia.

Distribution: Known only from the type locality, and to us from description only. - Coll. Hinds
[Handwritten: Not at ... 1882]

57. Inga heteroptera Benth. Lond. Journ. Bot. 4: 611. 1845.

Type locality: San Pedro, Colombia.

Distribution: Known only from the type locality and to us from description only.
[Handwritten: Not at ... 1882]

58. Inga Lindeniana Benth. Lond. Journ. Bot. 4: 608. 1845.

Type locality: Teapa, Oaxaca.

Distribution: Venezuela (according to Benth and admitted by Pittier, Arb. & Arb. Legum. 26, presumably erroneously; not collected by Pittier up to June, 1928)

14
58a. Inga tubaeformis Benoist, Bull. Soc. Bot. France 66: 390. 1919.

Type locality: Gourdonville, French Guiana.

Distribution: Known only from the type locality, and to me from description only.

Note: compared by Benoist with I. Lindeniana.

[Inga tubaeformis Benoist at Paris - 1919]

59. Inga panamensis Seem. Bot. Voy. Herald 117. 1853.

Type locality: near Cxrces, Panama

Distribution: Colombia [Linden 366, ex Bentham]

Note. Panama only in New York Herbarium. See Inga Hartii Urban, Trinidad, which closely resembles this.

60. Inga sapindoides Willd. Sp. Pl. 4: 1012. 1806

Mimosa sapindoides Poir. in Lam. Encycl. Suppl. 1: 40. 1810.

Type locality: Caracas, Venezuela.

Distribution: Known only from the type locality and to us only from description.

Note. See Bentham's remarks; species unknown to Pittier (Arb. & Arb. Legum. 25. 1927)

[Inga sapindoides Willd. 1912]

20

61. Inga guaremalensis Pittier, Arb. & Arb. Ven. 5. 1921.

Type locality: Guaremales, Carobobo, Venezuela.

Distribution: Known only from the type locality [Pittier 9105]

62. Inga balaensis Pittier, Contr. U. S. Nat. Herb. 18: 201. 1916.

Type locality: El Balao, Manabi, Ecuador. (Eggers 14648 Photo)

Distribution: Known only from the type locality.

Note. ~~Not in New York Herbarium.~~

63. Inga villosissima Benth. Trans. Linn. Soc. 30: 624. 1875.

Type locality: near Tovar, Venezuela.

Distribution: Venezuela [Pittier 9566; Allart 351, type locality; Bailey 1167; Curran & Haman 986] (Colman 14648/14649)

64. Inga codonantha Pittier, Contr. U. S. Nat. Herb. 18: 202. 1916.

Type locality: Camposiegre, Colombia.

Distribution: Known only from the type locality.

Illustration: Pittier, loc. cit. pl. 102.

Note. ~~Not in New York Herbarium, but in Washington Herbarium.~~

21
65. Inga fastuosa (Jacq.) Willd. Sp. Pl. 4: 1014. 1806.

Mimosa fastuosa Jacq. Fragn. 15. 1809.

Type locality: Caracas, Venezuela.

Distribution: Venezuela. [Known to me only from description and illustration. 12945-25 P. 1014]

Illustration: Jacq. loc. cit. pl. 10.

66. Inga venosa Griseb. Fl. Br. W. I. 711. Hyponym 1864. Benth.

Trans. Linn. Soc. 30: 623. 1875.

Type locality: Trinidad.

Distribution: Trinidad [Kuntze 1063; Trin. Herb. 7703; Broadway; Britton & Freeman 2164] ? Venezuela [Orinoco, Rusby & Squires 70]
Colombia (Jono 843)

67. Inga multicaulis Spruce; Benth. Trans. Linn. Soc. 30: 624. 1875.

Type locality: foot of Mt. Chimborazo, Ecuador.

Distribution: Known only from the type locality and to us only from description. [Note at Huntington Lib. Aug. 1982]

68. Inga cayennensis Sagot; Benth. Trans. Linn. Soc. 30: 626. 1875.

Type locality: Cayenne

Distribution: French Guiana [Sagot]

22

69. Inga Inga (L.) Britton, Fl. Bermuda 170. 1918.

Mimosa Inga L. Sp. Pl. 516. 1753.

Inga vera Willd. Sp. Pl. 4: 1010. 1806.

Type locality: Jamaica.

Distribution: Trinidad [Kuntze]; Colombia [Andre 216].

? Guiana (ex Benth); Jamaica; Cuba; Hispaniola; Porto Rico;
Nicaragua; Guatemala.

Illustrations: Sloane, Jam. pl. 183, f. 1; Fawc. & Rendle
Fl. Jam. 4²: f. 47; Pittier, Contr. U. S. Nat. Herb. 18, pl. 104.

70. Inga edulis Mart. Flora, 20: Beibl. 113. 1837.

Mimosa Inga Vell. Fl. Flum. Icon.

Type locality: Brazil

Distribution: Dutch Guiana [Kegel 1206]; British Guiana [Persaud
111] Venezuela [Pittier 9798, (10249) 10264, 10425; Curran & Haman 981];
Colombia [H. H. Smith 27] Brazil; Peru, Grenada; Panama to Vera Cruz.

Illustration: Vell. loc. cit, pl. 3; Mart. Fl. Bras. 15²: pl.
136.

71. Inga Fendleriana Benth. Trans. Linn. Soc. 30: 630. 1875.

Type locality: Valley of Macarao, Venezuela (Not Colombia, see
Pittier, Arb. & Arb. Legum. 27)

Distribution: Known only from the type locality and to us
from description only. Not identified by Pittier up to June, 1928.

23
72. Inga Oerstediana Benth.; Seem. Bot. Voy. Herald 117. 1853.

Type locality: Panama.

Distribution: Colombia ^{Iniana 4467, Toro 1075, Pittier 12883} ~~[ex Bentham]~~; ? Venezuela ^{Fendler 363, Pennell & Killip 8123} fruit]. Panama; Costa Rica.

73. Inga spuria H. & B.; Willd. Sp. Pl. 4: 1011. 1806.

Mimosa spuria Poir. in Lam. Encycl. Suppl. 1: 40. 1810.

Type locality: Venezuela.

Distribution: ? Trinidad; Venezuela [Curran & Haman 1005; Rusby & Squires 27, 194; Pittier 5835, 5850, 6058, 8792, 8946, ^{Can 12295} ~~10925~~, 12141a]; Colombia [H. H. Smith 106, 927; Toro 67; 196; Killip 11263; Pennell, Killip & Hazen 8452; Killip & Smith 16483] Panama to Tamaulipas.

Illustration: Kunth, Mim. pl. 12; Standl. Centr. U. S. Nat. Herb. 27: pl. 30.

74. Inga insignis Kunth, Mim. 43. 1819.

Inga pachycarpa Benth. Lond. Journ. Bot. 4: 617. 1845.

Type locality: between Quito and Puembo, Ecuador.

Distribution: Ecuador [Hitchcock 21264; Rose & Rose 22386] Brazil. (?)

Illustration: Kunth, loc. cit. pl. 13.
^{Druce 5096}

24

75. Inga ornifolia H.B.K. Nov. Gen. 6: 291. 1824.

Type locality: near Quito, Ecuador

Distribution: Ecuador [Quito, ex Benth. Trans. Linn. Soc. 30: 629]

Note: thought by Benth. to be I. affinis. Not in New York Herbarium. [Not at New York Herbarium]

76. Inga Meisneriana Miquel, Stirp. Surin. 2. 1850.

Type locality: Surinam

Distribution: Dutch Guiana (ex Miquel; ex Benth.); French Guiana (ex Benth.; see Broadway 128, 495, 595, 874, 950, but this does not have the fruit of Euinga) British Guiana (see Jenman 4038)

77. Inga scabriuscula Benth. Lond. Journ. Bot. 4: 606. 1845.

Type locality: Surinam.

Distribution: Guiana, Colombia and northern Brazil (ex Benth.)

Note. ~~Not identified in New York Herbarium.~~

See Vougea - Holtz & Blake 645.

78. Inga subnuda Salzm.; Benth. Lond. Journ. Bot. 4: 613. 1845.

Type locality: Bahia, Brazil.

Distribution: ? British Guiana (See La Cruz 4344, but the fruit of this is not Euinga), Brazil [See Blanchet 226]

79. Inga Ursi Pittier, Contr. U. S. Nat. Herb. 18: 215. 1916.

Type locality: Colombia

Distribution: Known only from the type locality.

Note. ~~Not identified in New York Herbarium, specimen in~~
Washington Herbarium.

80. ~~Inga ornata Kunth, Mim. 46. 1819.~~

80 Inga Holtoni Pittier, Contr. U. S. Nat. Herb. 18: 214. 1916.

Type locality: Cauca River, near Biego and Carthago, Colombia.

Distribution: Colombia [Triana 4463, Holton 1004]

Illustration: Kunth, loc. cit. pl. 14.

81. Inga ingoides (Rich.) Willd. Sp. Pl. 4: 1012. 1806.

Mimosa ingoides Rich. Act. Soc. Hist. Nat. Paris 1: 113. 1792.

^ Inga Merianae Splitz. Pl. Nov. Surin. 10.

Inga galabica Walp. & Duch. Linnaea 23: 747.

Type locality: Cayenne

Distribution: Trinidad [Broadway 8486, Kuntze 899, Britton &
Hazen 192, Britton 2919] French Guiana [Broadway 303, ? 521]; Dutch
Guiana [Kegel 290, Samuels 74, Hostmann & Keppler 884] British Guiana
[Jenman 5074] Venezuela [Margarita, Johnston 26; Pittier 11399]; Colombia
[Pennell 4701] Guadeloupe; Dominica; Martinique. Bolivia?

82. Inga tapatensis Britton, provisional

Culagá Valley, near Tapata, Norte de Santander, Colombia

[Killip & Smith 20505, type; 20135]

with brown
- punctate

83. Inga pamplonae Britton, provisional

Vicinity of Pamplona, Norte de Santander, [Killip & Smith 19777]

with brown
- punctate

84. Inga marginatoides Britton, provisional

Puerto Wilches, Santander, Colombia [Killip & Smith 14759]

84. Inga mi no do tu He
Colombia (Norte 1936)

with brown
- punctate
marginatoides

85. Inga Smithii Britton, provisional

Polonia, near Puerto Wilches, Santander, Colombia [Killip & Smith 14923]

with brown
- punctate

86. Inga chartana Britton, provisional

Vicinity of Charta, Santander, Colombia [Killip & Smith 19088]

87. Inga ...
19088

88. Inga ...
18601
1857

88. *Papa* ... 1929
June 10 to 12 ... 1929

(97)

89a. *Lupa* ... 110. 1929
Coronito, Venezuela (Pittier 1929)
- not in H.S. -

90. *Lupa* ... 112. 1929
near ... 1929

91. ... 106. 1929
... 1929

92. *Lupa* ... 111. 1929
between ...
Venezuela (Pittier 12883)

93. *Lupa* ... 1956.
Type locality: ...
... 1956.

94. *Lupa* ...
... 1956

95. *Lupa* ...
... 1958

96. *Lupa* ...
... 1958

110. In part - 10' - 12' 1911
to 10' - 12' 1911 (1911-1912)
111. In part - 10' - 12' 1911
to 10' - 12' 1911 (1911-1912)

87. *Suria* ...
88. *Suria* ...
89. *Suria* ...
90. *Suria* ...
91. *Suria* ...
92. *Suria* ...
93. *Suria* ...
94. *Suria* ...
95. *Suria* ...
96. *Suria* ...
97. *Suria* ...
98. *Suria* ...
99. *Suria* ...
100. *Suria* ...

Suria ...
101. *Suria* ...
102. *Suria* ...
103. *Suria* ...
104. *Suria* ...
105. *Suria* ...

106. *Suria* ...
107. *Suria* ...
108. *Suria* ...
109. *Suria* ...
110. *Suria* ...
111. *Suria* ...
112. *Suria* ...
113. *Suria* ...
114. *Suria* ...
115. *Suria* ...
116. *Suria* ...
117. *Suria* ...
118. *Suria* ...
119. *Suria* ...
120. *Suria* ...

? *Proserpinaca* H.K. New York, 6: 309, 1824

2. Enterolobium of northern South America

1. Enterolobium cyclocarpum (Jacq.) Griseb. Fl. Brit. W. Ind. 226. 1860.

Mimosa cyclocarpa Jacq. Fragm. 30. 1801.

Type locality: Caracas, Venezuela.

Distribution: Venezuela [Curran & Haman 1204; Pittier 11737];
Colombia [H. H. Smith 932]; Panama to Sinaloa and Tamaulipas;
Jamaica; Cuba; widely planted.

Illustration: Jacquin, loc. cit. pl. 34, f. 1.

2. Enterolobium Schomburgkii Benth. Trans. Linn. Soc. 30: 599. 1875.

Pithecolobium Schomburgkii Benth. Lond. Journ. Bot. 3: 219. 1842.

Type locality: Rio Negro, Brazil.

Distribution: French Guiana; ^[Meliana] Brazil; Panama; Guatemala.

Enterolobium Benth.

Type species: *Mimosa catalinae* Vell.

Pithecellobium Mont.
Type species: *Mimosa* *truguis* Lati.
3 Pithecellobium of Northern South America

Copy to Mr. Rose, (30)
Jan. 15 1928
[Not found in Wayne
Dec. 1928]

1. Pithecellobium macrostachyum (Vahl) Benth. Lond. Journ. Bot. 5:

105. 1846.

Mimosa macrostachya Vahl, Eclog. 3: 34. 1797.

Inga macrostachya Steud.; DC. Prodr. 2: 437. 1825

Type locality: Cayenne (French Guiana)

Distribution: known only from the type locality and to us
only from the description and illustration.

Illustration: Vahl, loc. cit. pl. 26.

2. Pithecellobium hymenaefolium (H. & B.) Benth. Lond. Journ. Bot. 3:

198. 1844.

Inga hymenaefolia H. & B.; Willd. Sp. Pl. 4: 1008. 1806.

Mimosa hymenaefolia Poir, in Lam. Encycl. Suppl. 1: 38. 1810.

Type locality: Nova Andalusia Venezuela

Distribution: Venezuela, but known to us from cultivated
specimens only. - See Pittier 18123, apparently right

3. Pithecellobium panamense Duch. & Walp. Linnaea 23: 746. 1850.

Type locality: Panama.

Distribution: Colombia [Smith 105] Panama

4. Pithecellobium spinulosum Pittier, Contr. U. S. Nat. Herb. 20: 459.

1922.

Type locality: Loba, Bolivar, Colombia. [Curran 169]

Distribution: Type locality and vicinity.

Note.- Distinct from P. lanceolatum ?

5. *Pithecellobium lanceolatum* (H. & B.) Benth. Lond. Journ. Bot. 5:
105. 1846.

Inga lanceolata H. & B.; Willd. Sp. Pl. 4: 1005. 1806.
Mimosa ligustrina Jacq. Fragm. 29. 1801. Not P. ligustrinum Benth.
Inga ligustrina Willd. Sp. Pl. 4: 1007. 1806.
Mimosa lanceolata Poir. in Lam Encycl. Suppl. 1: 37. 1810.

Type locality: Nova Barcelona, Venezuela.

Distribution: Venezuela [Pittier 6002, 10426, 11452, 11178,
11738; Saer 38; Curran & Haman 1100, 1142 Margarita Johnston
38; Miller & Johnston 242] Colombia [H. H. Smith, 104, 105;
Elias 246, 284; Pennell 3931, 3936; Rusby & Pennell 125; Killip
6209, 6242; Killip & Hazen 8374; Killip & Smith 14585, 14700;] Costa Rica
to Sinaloa

6. *Pithecellobium Unguis-cati* (L.) Mart. Hort. Monac. 188. 1829.

Mimosa Unguis-cati L. Sp. Pl. 517. 1753.

Type locality: Jamaica.

Distribution: Tobago; Trinidad [Britton 515, 2785]; Curacao
[Curran & Haman 200; Britton & Shafer 3131; Killip & Smith 21042]
Aruba; Venezuela.

7. *Pithecellobium subglobosum* Pittier, Contr. U. S. Nat. Herb. 20: 463.
1922.

Type locality: Santa Marta, Colombia.

Distribution: Colombia [H. H. Smith 309a; Elias 497;
Rusby & Pennell 1457]

82
8. *Pithecellobium dulce* (Roxb.) Benth. Lond. Journ. Bot. 3: 199. 1844.

Mimosa dulcis Roxb. Pl. Corom. 1: 67. 1795.

Inga dulcis Willd. Sp. Pl. 4: 1005. 1806.

Inga pungens H. & B.; Willd. Sp. Pl. 4: 1004. 1806.

Mimosa pungens Poir. in Lam. Encycl. Suppl. 1: 36. 1810.

Type locality: Coromandel, East Indies.

Distribution: Colombia [H. H. Smith 304, 1140; Pennell 5633;

Killip, 8333; Killip & Hazen 11091; Killip & Smith, 15459,

16215, 16255]; Venezuela [Pittier 12010, 12050; Saer 189];

British Guiana [Pearsand 159]; Ecuador [Hitchcock 16838]

Panama to Sonora. Widely planted in tropical regions.

9. *Pithecellobium pubescens* (Bert.) Benth. Journ. Bot. Hook. 2: 141. 1840.

Inga pubescens Bert.; DC. Prodr. 2: 437. 1825.

Inga paniculata Spreng.; D. C. Prodr. 2: 437. 1825.

Type locality: Santa Marta, Colombia.

Distribution: Colombia [H. H. Smith 29, 307, 695, 697, 698;

Pennell 4020]; British Guiana (according to Bentham)

10. *Pithecellobium forfex* (Kunth) Benth. Lond. Journ. Bot. 3: 199.

1844.

Inga forfex Kunth, Minn. 52. 1820.

Type locality: Cartagena, Colombia.

Distribution: Colombia [H. H. Smith 26, 308; Killip & Smith

14206, 14338]

33
11. *Pithecellobium roseum* (Vahl)

Mimosa rosea Vahl, Eclog. 3: 33. 1796.

Mimosa rosea subinermis Vahl, loc. cit. 1796.

Type locality: Cayenne (French Guiana)

Distribution: known only from the type locality, and to us only from description and illustration.

Illustration: Vahl, loc. cit. pl. 25

Note. - Similar to P. forfex.

[referred by Williams to *P. forficata*]

12. *Pithecellobium microphyllum* (H. & B.) Benth. Lond. Journ. Bot. 3: 200. 1844.

Inga microphylla H. & B.; Willd. Sp. Pl. 4: 1004. 1806.

Mimosa microphylla Poit. in Lam. Encycl. 1: 36. 1810.

Type locality: Cumana, Venezuela.

Distribution: Venezuela [La Guayra Curran & Haman 959, named at Kew, Sept. 1920]

13. *Pithecellobium microchlamys* Pittier, Arb. & Arb. Ven. 48. 1925.

Type locality: Barquisimeto, Lara, Venezuela.

Distribution: known definitely only from the type locality.

Note.- Pittier referred Curran & Haman 959 to this species.

The New York specimen of Pittier 11188, type of P. microchlamys shows flowers only. [leaf from Pittier, Jan. 1928]

34

14. *Pithecellobium excelsum* (Kunth) Mart. Flora 20: Beibl. II 115. 1837.

Inga excelsa Kunth, Mim. 57. 1820

Type locality: ^{Quica 2000} Magdalena River, ^{Peru} Colombia.

Distribution: ^{Peru} known only from the type locality, and to us only from the description and illustration.

Illustration: Kunth, Mim. pl. 18.

Erroneously recorded from Colombia by Rose & Rose.

15. *Pithecellobium candidum* (H.B.K.) Benth. Lond. Journ. Bot. 3: 201. 1844

Inga candida H.B.K. Nov. Gen. 6: 299. 1824.

Type locality: Guayaquil, Ecuador.

Distribution: Ecuador [Rose & Rose 23602; Hitchcock 19965, 20138.]

Note.- Kunth kept this and excelsum distinct; Bentham united them

16. *Pithecellobium concinnum* Pittier, Arb. & Arb. Ven. 47. 1925.

Type locality: Orillos del Rio Turbio Barquisimeto, Laya,

X Venezuela [Saer 30, type, ^{fragment} ~~not~~ in New York Herbarium.]

Distribution: Venezuela [~~From description, Pittier 10268, 11010, 11024, 11760~~]

85

17. *Pithecellobium glaucescens* Pittier, Arb. & Arb. Ven. 48. 1925

Type locality: El Carenero, Miranda, Venezuela.

Distribution: known only definitely from the type locality

[Pittier 11043, type]; (?) vicinity of Cristobal Colon
Broadway 31

18. *Pithecellobium guaricense* Pittier, Arb. & Arb. Ven. 51. 1925

Type locality: Paraparo, Guarico, Venezuela.

Distribution: Venezuela [Pittier 11309, type, 11306, 11445;]

? Tejera 66

19. *Pithecellobium zuliense* Pittier, Arb. & Arb. Ven. 50. 1925.

Type locality: Veras Altas, Zulia, ~~Colombia~~ *Venezuela*

Distribution: known only from the type locality.

Note.- Not certainly identified at New York. Type specimen
not definitely cited by Pittier. See Pittier 10537

- Indeterminate species

20. *Pithecellobium falconense* Pittier, Arb. & Arb. Ven. 79. 1927

Type locality: Falcon, Bolivar, Venezuela

Distribution: known only from the type locality.

Note.- The type is Christ 24. *Fragment* ~~Not~~ in New York Herbarium X

21. *Pithecellobium* *Jenmani* B. & R. provisional

British Guiana [Jenman 2113]

22. *Pithecellobium* *molle* B. & R., provisional
Venezuela Aragua, [Pittier 11363, type]

Note.- Probably included in *P. pubescens* by Pittier, but not the same as the plant of Santa Marta, Colombia.

23. *Pithecellobium* *aridum* B. & R., provisional

Chacachacare Island, Trinidad [Britton, Freeman and Watts 2681, type]; Venezuela [E. P. Stevens]

24. *Pithecellobium* *Broadwayi* B. & R. provisional

Venezuela. Vicinity of Cristobal Colon [Broadway 130, type; 275]

25. *Pithecellobium* *formidabile* B. & R., provisional

Venezuela. Porto Cabello [Curran & Haman 1131, type; 1186]

The Pittier - Aragua plant is not the same as the one from Santa Marta.

26. *Pithecellobium* *brevispicatum* B. & R., provisional

Venezuela. Vicinity of Cristobal Colon [Broadway 421, type; 535;]

Trinidad [Britton & Hazen 2241]; Colombia [H. H. Smith 28a; ³⁰⁹

Killip & Smith 14312; *El Guano 190*

Note.- The Trinidad plant was referred by Benthham to *P.*

oblongum; the Colombia plant was referred by Pittier to

P. oblongum

37

Pith. *Clanontaria* *hutch.* *Red. Juncus*
Nat. 5: 106. 1846

1 mm. 1-2 pairs - *Reinhold* 1-2 pairs
large. 2/5 12 mm. *hutch.* -

sp. hutch. - *hutch.* - *hutch.*

4 Jupunba in northern South America

1. Jupunba (?) filamentosa (Benth.)

Pithecolobium filamentosum Benth. *Lond. Journ. Bot.* 5: 106. 1846.
Pithecolobium turbinatum Benth. loc. cit. 1846.

Type locality: Rio Doce, Brazil.

Distribution: Venezuela (according to Bentham); Brazil.

Note. Not identified at New York, December, 1927.

2. Jupunba (?) laeta (Poepp. & Endl.)

Inga laeta Poepp. & Endl. *Nov. Gen.* 3: 80. 1845.
Pithecolobium polycarpum Poepp. & Endl. loc. cit. 81. 1845.
Pithecolobium laetum Benth. *Lond. Journ. Bot.* 3: 203. 1844.

Type locality: near Yurimaguas, Maynas

Distribution: French Guiana (according to Bentham); Dutch
Guiana (according to Bentham); Brazil; Peru.

Note. Not identified at New York, December, 1927.

3. Jupunba Jupunba (Willd.) B. & R.

Acacia Jupunba Willd. *Sp. Pl.* 4: 1067. 1806.
Mimosa trapezifolia Vahl, *Eclog.* 3: 36. 1807.
Inga trapezifolia DC. *Prodr.* 2: 241. 1825.
Pithecolobium trapezifolium Benth. *Journ. Bot. Hook.* 2: 142. 1840.
Pithecolobium micradenium Benth. *Lond. Journ. Bot.* 3: 217. 1844.
Pithecelobium Jupunba Urban, *Symb. Ant.* 2: 257. 1900.

Type locality: Para, Brazil.

Distribution: Tobago [Broadway 3529]; Trinidad [Britton, Hazen
& Mendelson 779; 1775; Britton & Hazen 1199] French Guiana [Broadway
542] Dutch Guiana [Samuels 441]; British Guiana [Gleason 819; La Cruz
1081, 1239, 2593, 2718, 3246, 3500, 4388; [Persand 64, 108] Venezuela
[Rusby & Squires 164; Pittier 12163] Colombia [Killip & Smith 14851];
Grenada to Guadeloupe; Bolivia; Brazil.

2
39
4. Jupunba ferruginea (Benth.)

Pithecolobium ferrugineum Benth. Lond. Journ. Bot. 3: 216.

Type locality: British Guiana.

Distribution: British Guiana.

Note. Not identified at New York, December, 1927. Compare
J. Jupunba.

5. Punjuba in northern South America

(40)

1. Punjuba Killipii B. & R., provisional

Colombia. Salento, Caldas [Killip 9043] ? near Cali [André
2625, barren]

see written

2. Punjuba Lehmannii B. & R., provisional

Colombia. Nopaya [Lehmann B. T. 364]

see written

Cojoba in northern South America
Type species: Miconia rubra L.

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6 Cojoba in northern South America

1. Cojoba colombiana B. & R., provisional

Colombia, vicinity of Medellin [Toro 241]

2. Cojoba tubulifera (Benth.) R. & R.

N. Am. Flora 23: 32. 1928

Inga tubulifera Benth. Lond. Journ. Bot. 4: 584. 1845.

Pithecolobium tubuliferum Pittier, Contr. U. S. Nat. Herb. 18: 181. 1916.

Type locality: Panama.

Distribution: Colombia, Panama.

No Cojoba in specimens at U. S. Nat. Herbarium
Oct 1912

3. Cojoba rufescens (Benth.) B. & R.

N. Am. Flora 23: 32. 1928

Inga rufescens Benth. Lond. Journ. Bot. 4: 585. 1845.

Inga globulifera Benth. loc. cit. 1845.

Inga Bilbergiana Benth. loc. cit. 1845.

Pithecolobium rufescens Pittier, Contr. U. S. Nat. Herb. 18: 181. 1916.

Type locality: island off the coast of Veragua, Panama.

Distribution: Colombia, Panama

No Cojoba in specimens at U. S. Nat. Herbarium
Oct 1912

47

7 Arthrosamanea in northern South America

Arthrosamanea B. & R. - gen. nov. ✓

Type species: Pithecolobium daulense Spruce

1. Arthrosamanea daulensis (Spruce)

Pithecolobium daulense Spruce; Benth. Trans. Linn. Soc. 30: 586.
1875.

(?) Inga triflora G. Don, Gen. Syst. 2: 394.

(?) Pithecolobium triflorum Benth. Trans. Linn. Soc. 30: 591. 1875.

Type locality: Daule River, near Guayaquil, Ecuador.

Distribution: Ecuador [Rose & Rose 23588]

2. Arthrosamanea guaiacifolia (Pittier)

Samanea guaiacifolia Pittier, Arb. & Arb. Ven. 53. 1925.

Type locality: El Sombrero, Guarico, Venezuela.

Distribution: known only from the type locality [Pittier 11441]

3. Arthrosamanea marginata (Spruce)

Pithecolobium marginatum Spruce; Benth. Trans. Linn. Soc. 30: 586.
1875.

Type locality: northern Brazil.

Distribution: Venezuela ^{Chico Legido J} (according to Pittier); Brazil.

Illustration: Mart. Fl. Bras. 15²: pl. 114.

Note. ~~Known to us only from description and illustration.~~

Arthrosamanea marginata to Pittier ^{Chico Legido J} 1925

4. Arthrosamanea corymbosa (Rich.)

me/3

Mimosa corymbosa Rich. Act. Soc. Hist. Nat. Paris 113.

Inga trafigiformis Steud. Flora 26: 759. 1843.

Pithecolobium corymbosum Benth. Lond. Journ. Bot. 3: 221. 1844.

Type locality: ^

Distribution: French Guiana; Dutch Guiana; Rio Negro

Venezuela (see Pithecolobium, 1844, 1845, 1846, 1847)

Samanea seguieri Pithecolobium, 1844, 1845, 1846, 1847

5. Arthrosamanea Yunguipii (Klein)

Pithecolobium Yunguipii Klein. Act. Soc. Hist. Nat. Neerl. 22: 414. 1926

Type locality: Surinam

Distribution: Dutch Guiana

6. Arthrosamanea (?) Publii (Klein)

Pithecolobium Publii Klein. Act. Soc. Hist. Nat. Neerl. 22: 415. 1926

Type locality: Surinam

Distribution: Dutch Guiana

Note: The fruit is not described

7. Arthrosamanea Rameana (Spreng)

Pithecolobium Rameana Spreng; Mart. in Mart. Fl. Bras. 152: 440. 1876. - Ind. Bot.

Type locality: New Pomeroy, Alto Amazonas, Brazil.

Distribution: Venezuela (Voluta de Voluta)

216. J. Brazil

24

8 Macrosamanea in northern South America

Macrosamanea B. & R., gen. nov.

Type species: ~~Macrosamanea multipinna~~ ^{guianensis} B. & R.

1. Macrosamanea discolor (H. & B.)

Inga discolor H. & B.; Willd. Sp. Pl. 4: 1023. 1806.

Mimosa discolor Poir in Lam. Encycl. Suppl. 1: 46. 1810.

Inga adiantifolia Kunth, Mim. 66. 1820.

Pithecolobium adiantifolium Benth. Lond. Journ. Bot. 3: 218. 1844.

Samanea adiantifolia Pittier, Arb. & Arb. Ven. 55. 1925.

Type locality: Atabapø River, tropical America [Venezuela-Colombia boundary]

Distribution: ~~British Guiana~~ ^{Colombia} [Hitchcock 17173] Venezuela;
Brazil (~~according to Benth~~)

2. Macrosamanea multipinna (Benth.) ^{guianensis Britton}

(?) Pithecolobium adiantifolium multipinna Benth. in Mart. Fl. Bras. 15²: 445. 1876.

Type locality: Guiana.

Distribution: British Guiana ^{Hitchcock 17175} [La Cruz, 1200, type; 1118; 1165, 1576, 2358, 2390, 2747, 2785, 2853, 3026, 3252, 3421, 3653, 3954, 4326; Jenman 4964]

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3. Macrosamanea Miqueliana (Meisn.)

Pithecolobium Miquelianum Meisn. Linnaea, 21: 250. 1848.

Type locality: Joden Savanna, Surinam.

Distribution: Dutch Guiana.

Note. Type in New York Herbarium. ✓

4. Macrosamanea Kegelii (Meisn.)

Pithecolobium Kegelii Meisn. Linnaea 21: 249. 1848.

Type locality: Cassepoere Kreek, Surinam.

Distribution: known only from the type locality.

Note. Type in New York Herbarium. ✓

[Species left in *Whiggia*, July 1938]

46

Microsamanea in northern South America ✓

Microsamanea B. & R., gen. nov.

Type species: Pithecolobium polycephalum Benth.

Whiggia
1. Microsamanea polycephala (Benth.)

Pithecolobium polycephalum Benth. Lond. Journ. Bot. 3: 219. 1844.

Type locality: tropical Brazil.

Distribution: British Guiana (according to Benth); Colombia
(according to Benth). Brazil. *Whiggia* (see Benth.)

Illustration: Benth. in Mart. Fl. Bras. 15²., pl. 117.

Note. Blanchet, 1848, from Bahia, cited by Benth is in
the New York Herbarium.

Whiggia
2. Microsamanea guianensis B. & R., provisional

British Guiana [Jenman 364, type]

3. Microsamanea (?) subdimidiata (Splitg.)

Acacia subdimidiata Splitg. Pl. Nov. Surin. 18

Type locality: ^

Distribution: Dutch Guiana; British Guiana (Gleason 873, det.
N. E. Brown at Kew)

Note. Included by Benth in Pithecolobium multiflorum
(H.B.K) Benth, of Peru.

Whiggia
" *Whiggia* (see Benth.)
" *Whiggia* (see Benth.)

albiggia (?)

4. Microsamanea ~~(?) aurea~~ (?) multiflora (H.B.K.)

Acacia multiflora H.B.K. Nov. Gen. 6: 277. 1824.

(?) Acacia inundata Mart. Reise 1: 555. ^

Type locality: Bracamorensine Andes (Peru)

Distribution: Colombia (according to Benthams); Guiana

(according to Benthams, probably wrong) Peru; (?) Brazil.

Note. Blanchet, Brazil, 2756, cited by Benthams, is in the
New York Herbarium.

Psamma multiflora Pittier, Bot. Colombia
Decem 61. 1927 [Name erroneously printed
Psamma minutiflora Pittier Bot. Colombia
Vol. 55. 1925]

albiggia
5. ~~*Microsamanea*~~ *longipes* ~~new~~
Patana longa, *Harauquilla* (Elias 492)

10 Duckia in northern South America ✓

Duckia B. & R., gen. nov.

Type species:

1. Duckia pedicellaris (DC.) B. & R.

Inga pedicellaris DC. Prodr. 2: 441. 1825.

Pithecolobium pedicellare Benth. Lond. Journ. Bot. 3: 219. 1844.

Type locality: Cayenne (French Guiana)

Distribution: French Guiana [Broadway 743] *Antik Guiana*
La Pandore

2. Duckia (?) guianensis B. & R., provisional,

British Guiana [La Cruz 1621, type; 1344, 2036, 3533]

Duckea Gen. Nov.

Petiole without gland. (?) 1. D. chrysantha.

*no specimen
of Benth
with narrow
under petiole*

Petiole with a large gland above its base.

Leaflets acute. 2. D. (Broadway's #743)

Leaflets obtuse.

Leaflets broad; pods narrower than the next. (Will send)

(Lend us a bit)

two. 3. D. (Curran's #323)

*Rose
NLB's hand*

Leaflets narrow; pods broad.

= 2 Leaflets dull. 4. D. pedicellata.

ris

(Piece of Martius 1101 sent to Dr. Rose July 28, 1926)

NLB's hand

Also, I suppose P. incuriale Benth. (Martius, Brazil 1101)

*NLB's
hand*

Do you have this? (I can send a bit) and perhaps (paper cut off)

We have their wings flat. It has a different pod. } JNR's hand.

Pachysamanea Kielip, gen. nov.

Arbores inermes; folia bipinnata, ^{glandulifera,} pinnis plurijugis, foliolis multijugis; pedunculis axillares, floribus in capitulis

subgeminis, floribus pedicellatis in capitulis ^{in young state} ~~induratis~~ ^{induratis} ~~induratis~~ ^{induratis}, ^{continuum,} solitariis; legumen ^{rectiusculum,} ^{continuum,} crassum, compressum, ~~induratis~~ ^{valde} ~~marginatis~~ ^{microscato} ^{elevatis}.

Petiole bearing a conspicuous gland; leaflets ^{1.5-2 mm. wide,} coriaceous, lustrous above, ^{their} venation obscure. 1. *P. pedicellaris*.
2. *P. gleasoniana*.

Petiole glandless (though leaf rachis glanduliferous); leaflets 2.5-3.5 mm. wide, submembranous or subcoriaceous, ~~the~~ dull, the venation ~~is~~ evident.

2. *P. gleasoniana*.

1. *Pachysamanea pedicellaris* (DC.) Kielip, comb. nov.

Tupa pedicellaris DC. Prodr. 2: 441. 1825.

Pithecolobium pedicellare Benth. ^{Lond.} Journ. Bot.

Hook. 3: 219. 1844.

Type locality: Cayenne (type collected by DeCandolle).
Venezuela: Bolívar: Ciudad Bolívar, alt. 60 meters, Bailey & Bailey 1371 (US^X). — Federal District: Caracas and vicinity, Bailey & Bailey 1381 (US).

1. Published by permission of the Secretary of the S. P.

(2)

British Guiana: Essequibo River; Moraballi Creek, near
Bartica, near sea level, Sandwith 469 (y).

French Guiana: ^{Sagot 908 (K).} St. Madeleine road, vicinity of
Cayenne, Broadway 743 (US, y).

Brazil: Pará: Breves, Ducke 16764 (US). Pará, ^{Huber} Ducke
2110 (US); ^{(US).} 15346 Ducke 15346. — Rio de Janeiro: Mundo
Novo, Kuhlmann 15247 (US). Rio de Janeiro, Glaziov
11929 (y). ^{San Carlos, alt. 750 meters,}
^{alt. 1,500 meters,}

Bolivia: La Paz: Mapiari, Rusby 1316 (US, y) ^{Buehner}
1770 (USE, y).

Sandwith's notes ~~sub~~ state "Tall tree, 131 ft., 9 in.
high, 3 ft., 2 in. diam., 60 ft., 9 in. to first fork. In
mixed forest. Calyx greenish brown; corolla red; filaments
pure white." The notes on Ducke's 16764 read "Arbor
media; fl. rosei, staminibus albidis", and on Kuhlmann's
15247 "Arbor parva; fl. albidis".

2. *Pachysamanea gleasoniana* Killip, sp. nov.

11. Genus? Marmaroxylon Acay

49

1. Pithecolobium racemosum Ducke, Archiv. Jard. Bot. Rio Janeiro 2: 272.

Pithecolobium racemiflorum Ducke, Archiv. Jard. Bot. Rio Janeiro
1: 14. 1915. Not J. D. Smith.

Type locality:

Distribution: French Guiana (Melinon; barren specimen in New York Herbarium);

Illustration: Ducke, loc. cit. 1: pl. 4.

Note. Described and illustrated with flowers in racemed heads on the branches, the legume 2-valved.

12 June ? 50
Pithecolobium cataractae (H.B.K.) Benth. Lond. Journ. Bot.
= 2: 213. 1844. =

Inga cataractae H.B.K. Nov. Gen. 6: 297. 1824.

Type locality: Cataract Javaviveni near Atures, Orinoco
[Venezuela]

Distribution: known only from the type locality and to us
from description only.

Note. Species unknown to Bentham and doubtfully referred
by him to Pithecolobium glomeratum, from which it would
appear, from description to be widely different. Described
as an unarmed scandent shrub with a circinnate legume;
flowers unknown. Evidently not a true Pithecolobium, nor
a Lygia.

See notes

Samanea Merrill
Type species: Mimosa Saman Jacq. 51

13 Samanea in northern South America

1. Samanea Saman (Jacq.) Merrill, Journ. Wash. Acad. 6: 47. 1916.

Mimosa Saman Jacq. Fragm. 15. 1800.

Pithecolobium Saman Benth. Lond. Journ. Bot. 3: 216. 1844.

Type locality: Caracas, Venezuela.

Distribution: Venezuela [Pittier 5811; Curran & Haman 792];

Colombia [H. H. Smith 311; Killip & Smith 14345];

British Guiana [? La Cruz 3480]; *Samanea* *Samana*

Samana *Samana* *Samana*

2. Samanea simabifolia (Spruce) Pittier, Arb. & Arb. Ven. 55. 1925.

Pithecolobium simabifolium Spruce; Benth. Trans. Linn. Soc. 30:
589. 1875.

Type locality: Pacimoni River, Venezuela, near the Brazilian
boundary.

Distribution: known only from the type locality, ~~and to us~~
~~only from the description.~~

Note. Perhaps not of this genus.

See Pittier, Arb. & Arb. Ven. 55. 1925.

Chloroleucon (Harms) B. & R. in Pittier on *Catmonium* (52)
Type species: *Pithecolobium Vinifolium* (Harms) B. & R. in Pittier on *Catmonium*
very different

1. *Chloroleucon mangense* (Jacq.) B. & R. *R. Am. Flora* 23: 18. 1928

Mimosa mangensis Jacq. Enum. 34. 1760.

Mimosa parvifolia Sw. Fl. Ind. Occ. 984. 1800.

Inga marthae Spreng.; Dc. Prodr. 2: 441. 1825.

Pithecolobium parvifolium Benth. Lond. Journ. Bot. 3: 223. 1844.

Enterolobium mangense Fawcett & Rendle Fl. Jam. 4: 151. 1920.

Type locality: Mango Island, Cartagena, Colombia.

Distribution: Colombia [H. H. Smith 296, 2065; Elias 186;

(?) Killip & Smith 14494]

Illustration: Jacq. Sel. Stirp. Pict. pl. 262, f. 70.

Note: Recorded by Rendle from *Inga* & *Pithecolobium*
(Hall & Rendle, *Fl. Jamaica* 66: 188)

2. *Chloroleucon carabobense* (Harms)

Pithecolobium carabobense Harms, Notizbl. Bot. Gart. Berlin 8:
51. 1921.

Type locality: between Las Trincheras and Le Entrada, Corobobo,
Venezuela.

Distribution: Venezuela [Pittier 8820, type]

3. *Chloroleucon glaberrimum* B. & R., provisional

Between Cidicora and Peubla Nueva, Paraguana, Venezuela, Curran
& Haman 562, type; ? Blondin on road to La Guaira, Pittier
11617.

Recorded by Pittier on *Catmonium*
to *Pithecolobium* (Harms) Pittier, *Fl. Venezuela* 55: 1927
see note there

See name

53²
4. Chloroleucon curacas^aanum B. & R., provisional

Rincon del Valle, near Car^aacas, Venezuela [Pittier 9543, type]

= *senegulense*

5. Chloroleucon valencianum B. & R., provisional

Vicinity of Valencia, Carabobo, Venezuela [Pittier 8691, type]

descriptum *novitum*

6. Chloroleucon guaricanum B. & R., provisional

Guarico, Venezuela [Plantae Gricolanae 26, type; Pittier 11305,

12363, (?) 8868, Carabobo]

= *senegulense*

7. *C. incurvum* *Boettger*

Deser. novitum

8. *C. hypoleucum*

54

Zygia P. Browne
Type species: *Mimosa latifolia* L.
15 *Zygia* in northern South America

1. *Zygia latifolia* (L.) Fawcett & Rendle, Fl. Jam. 4²: 150. 1920.

Mimosa latifolia L. Syst. ed. 10, 1310, 1759.

Inga latifolia Willd. Sp. Pl. 4: 1020. 1806.

Pithecolobium latifolium Benth. Lond. Journ. Bot. 3: 214. 1844.

Type locality: Jamaica.

Distribution: Dutch Guiana (according to Benthams; British Guiana [Persand 63; Linder 172; La Cruz 1421, 3179, 4470]; Trinidad [Britton, Freeman & Nowell 2610]; Venezuela [Bond & Gillin 56, 157; Pittier 1094] Colombia [H. H. Smith 929; Pennell, 1474]. Jamaica; St. Vincent; Martinique; Bolivia and Brazil.

Killing & Smith 21151

2. *Zygia Lehmannii* (Harms)

Pithecolobium Lehmannii Harms, Repert. 17: 92. 1921.

Type locality: Rio Cofre, Popayan, Colombia.

Distribution: known only from the type locality and to us from the description only [Lehmann 8989]

not at New York

3. *Zygia inaequalis* (H. & B.) B. & R.

Pittier, Arb. & Arb. Legume. 39. 1927

Inga inaequalis H. & B.; Willd. Sp. Pl. 4: 1019. 1806.

Mimosa inaequalis Poir. in Lam. Encycl. Suppl. 1: 44. 1810.

Pithecolobium inaequalis Benth. Trans. Linn. Soc. 30: 596. 1875.

Type locality: on the Orinoco River, Venezuela.

Distribution: Guiana (according to Benthams); Venezuela (according to Benthams); Brazil.

Note. Not certainly identified at New York, December, 1927.

Rusby and Squires, Lower Orinoco, 120, is from the type region; so is Curran & Haman 1287.

4. Zygia stipularis (Benth.)

Pithecolobium stipulare Benth. Trans. Linn. Soc. 30: 596. 1875.

Type locality: tropical Brazil.

Distribution: Guiana (according to Benth); Brazil.

Note. Not identified at New York, December, 1927.

5. Zygia cauliflora (Willd.)

Inga cauliflora Willd. Sp. Pl. 4: 1021. 1806.

Mimosa cauliflora Poir. in Lam. Encycl. 1: 45. 1810.

Pithecolobium lasiopus Benth. Journ. Bot. Hook. 2: 141. 1840.

Inga ramiflora Steud. Flora 26: 759. 1843.

Pithecolobium cauliflorum Mart.; Benth. Trans. Linn. Soc. 30:
595. 1875.

Type locality: Para, Brazil.

Distribution: French Guiana (according to Benth); Dutch

Guiana (according to Benth); British Guiana [Persand 106;
La Cruz 1575, 2283; Hitchcock 17527] Brazil.

Note. P. lasiopus Benth (British Guiana plant) may be
distinct.

6. Zygia glomerata (DC.)

Inga glomerata DC. Prodr. 2: 438. 1825.

Pithecolobium glomeratum Benth. Lond. Journ. Bot. 3: 213. 1844.

Inga ramiflora G. Don. Gen. Syst. 2: 392.

Type locality: French Guiana [Cayenne]

Distribution: French Guiana Melinon 338

Venezuela (according to Benth); Brazil (according to
Benth)

56
7. Zygia divaricata (Benth.)

Pittier, Arb. e Bot. Legum. 39, 1927
Pithecolobium divaricatum Benth. Lond. Journ. Bot. 3: 213. 1844.

Type locality: Brazil.

Distribution: (?) Dutch Guiana (Schweinitz); (?) British

Guiana [Jenman 6159, 5820], Brazil, *Pueguela (ex Pittier)*

Note. No authentic specimen at New York, December, 1927.

The above-cited specimens are tentatively referred here
from description.

8. Zygia pilosula (Pittier)

Pithecolobium pilosulum Pittier, Contr. U. S. Nat. Herb. 20: 466.
1922.

Type locality: San Martin de Loba, Bolivar, Colombia.

Distribution: ~~known only from the type locality~~ [Curran 88,

19.]

See Roadway, Pueguela 624 (?)

9. Zygia longifolia (H. & B.) B. & R.

H. Am. Indica 23: 40, 1928
Inga longifolia H. & B.; Willd. Sp. Pl. 4: 1010. 1806.

Mimosa longifolia Vahl, Eclog. 3: 34. 1807.

Pithecolobium ligustrinum Benth. Lond. Journ. Bot. 3: 213. 1844.

Pithecolobium Vahliaum Benth. Trans. Linn. Soc. 30: 594. 1875.

Type locality: tropical America.

Guiana 4476, Porto 1918, 1920; Puerto 121.
Distribution: Colombia [H. H. Smith 24] Panama to Nicaragua.

57
10. Zygia filipes B. & R., provisional

Muritaro, British Guinea [Persand 99, type]

11. Zygia contorta B. & R., provisional

Upper Dun River, British Guiana (Jenman 4042, type)

12. Zygia chocoensis B. & R., provisional

Choco, Colombia [Triana 4476, type] *Triana*

Zygia

Choco to be in Choco river 777

Havardia Small
Type species: *Pithecolobium budgei* Benth. 58
1/6 Havardia in northern South America ✓

1. Havardia platyloba (Spreng.) Britton & Rose, N. Am. Flora 23: 43.
1928.

Acacia platyloba Spreng. Syst. 3: 144. 1826.

Pithecolobium sericiflorum Benth. Lond. Journ. Bot. 5: 105. 1846.

Pithecolobium platylobum Urban, Symb. Ant. 5: 360. 1908.

Type locality: Magdalena River, Colombia.

Distribution: Colombia [H. H. Smith 30,52; Killip & Smith
21090, pods only]; Aruba [Boldingh 6480]; Venezuela [Curran
& Haman 542]. Yucatan.

59

Albizzia Durazz.
Type species: *Albizzia Julibrissin* L.

17 Albizzia in northern South America

1. *Albizzia caribaea* (Urban) B. & R. *N. Am. Flora* 23: 44. 1928

Pithecolobium caribaeum Urban, *Symb. Ant.* 2: 260. 1900.

Type locality: St. Vincent.

Distribution: Tobago [Broadway 3165]; Trinidad [Britton 2671;
Britton & Brown 2734]; Margarita [Miller & Johnston 261];
Venezuela [Broadway 539; Curran & Haman 850] Grenada;
St. Vincent; Panama; Costa Rica.

2. *Albizzia malacocarpa* Standley; Britton & Rose, *N. A. Flora* 23: 44. 1928.

Type locality: San Salvador, El Salvador.

Distribution: Colombia [Chardon 139; Toro 522] Panama; El Salvador.

Albizzia 4450; *Albizzia* 1437; *Albizzia* 565
= *Albizzia*

3. *Albizzia Lebbeck* (L.) Benth. *Lond. Journ. Bot.* 3: 87. 1844.

Mimosa Lebbeck L. *Sp. Pl.* 516. 1753.

Mimosa speciosa Jacq. *Ic. Pl. Rar.* 1: 19. 1786.

Type locality: Upper Egypt.

Distribution: Dutch Guiana; Colombia [Toro 483]. Widely
planted for shade and ornament.

Illustration: Jacq. loc. cit. pl. 198.

all to *Pseudosamanea Guachapala* - (list 79)

60²

4. *Albizzia longepedata* (Pittier) B. & R.; Record, Tropical Woods
= 11: 14. 1927. =

Pithecolobium longepedatum Pittier, Contr. U. S. Nat. Herb. 20:
464. 1922.

Samanea samavigua Pittier, Arb. & Arb. Ven. 54. 1925.

Type locality: El Coyolar, near Orotina, Costa Rica.

Distribution: Venezuela [Pittier 11430, 11442^{12184, 12467}]; Colombia

[Rusby & Pennell 253, 322]; Panama to Guatemala.

5. *Albizzia carbonaria* Britton; Britton & Wilson, Sci. Survey Porto
Rico & Virgin Ids. 7: 348. 1926.

Type locality: Forest Station, Rio Piedras, Porto Rico, grown
from seeds from Palmira, Colombia.

Distribution: Colombia [? Rusby & Pennell 3437; known only
from the type specimens]

6. *Albizzia colombiana* B. & R., provisional

Santa Marta, Colombia [H. H. Smith 38, type]

6a. *Albizzia montana* H. & R.
Punta Mavta - [H. H. Smith 292]

7. *Albizzia lophantha* (Willd.) Benth. Lond. Journ. Bot. 3: 86. 1846.

Acacia lophantha Willd. Sp. Pl. 4: 1070. 1806.

An Australian species, collected at Colonia Tovar, Venezuela
in 1921 [Pittier 9302] Planted, or naturalized?

8. *Albizzia lophantha* (Willd.) Benth. Lond. Journ. Bot. 3: 86. 1846.
The locality: Locust
near the entrance near Caracas in Puerto Rico
and, de Juncos 54, 1927

June 11th 1947 -
See for small pieces. ~~See for small pieces~~
See to 46-47.

18 *Anneslia* of Northern South America; recent collections cited

I Tergeminae

1. Anneslia hymenaeoides (Pers.)

Mimosa hymenaeoides Pers. Syn. 2: 262. 1807.
Inga hymenaeoides Desv. Journ. Bot. 1: 70. 1814.

Type locality: Cayenne.

Distribution: French Guiana (according to Bentham)

2. Anneslia trinervia (Benth.)

Calliandra trinervia Benth. Lond. Journ. Bot. 3: 94. 1844.

Type locality: on the Rio Negro, northern Brazil.

Distribution: along the Rio Negro, Venezuela (according to Bentham); Brazil.

3. Anneslia carbonaria (Benth.)

Calliandra carbonaria Benth. Lond. Journ. Bot. 3: 95. 1844.

Type locality: province of Popayan, Colombia.

Distribution: Colombia; Ecuador.

4. Anneslia glyphoxylon (Spruce)

Calliandra glyphoxylon Spruce; Benth. Trans. Linn. Soc. 30: 539. 1875.

Type locality: Pallatanga, Ecuador (according to Bentham)

Distribution: known only from the type locality.

5. Anneslia glaberrima (Benth)

Calliandra glyphoxylon glaberrima Benth. Trans. Lond. Soc. 30: 539.

63
Type locality: Valley of the Magdalena, Colombia.

Distribution: Colombia [Rusby & Pennell 249, 1156]

6. *Anneslia tergemina* (L.) B. & R. *N. Am. Flora* 23:53. 1928.

Mimosa tergemina L. Sp. Pl. 517. 1753.

Inga caripensis H. & B.; Willd. Sp. Pl. 4: 1008. 1806.

Type locality: tropical America.

Distribution: Venezuela [Pittier 6374, 8816, 8834, 8866, 8927, 11940]; Trinidad (according to Bentham); St. Vincent; St.

Lucia; Martinique; Dominica.

7. *Anneslia Seemanni* (Benth.) B. & R. *N. Am. Flora* 23:54. 1928.

Calliandra Seemanni Benth.; Seem. Bot. Voy. Herald 116. 1853.

Type locality: Veragua, Panama.

Distribution: Panama; Colombia, *Veragua (see Pittier, no. 11940)*

8. *Anneslia subvenosa* (Benth.) Rose ined.

Calliandra subvenosa Benth.; Trans. Linn. Soc. 30: 540. 1875.

Type locality: Guayaquil, Ecuador.

Distribution: Ecuador [Rose & Rose 22255, 23834; Hitchcock 20664]

9. *Anneslia ierensis* B. & R. ined.

Trinidad [Britton & Hazen 727, type, 431] *we have no specimen*

64
10. *Anneslia falcata* (Benth.)

Calliandra falcata Benth. Lond. Journ. Bot. 3: 97. 1844.

Type locality: recorded as raised from Mexican seeds.

Distribution: Venezuela [Pittier 8784, 10219, 11658] In Trans.

Linn. Soc. 30: 541, Bentham records this as a Venezuela species.

11. *Anneslia carabobensis*, provisional name

Venezuela [Pittier 8822]

Calliandra carabobensis Pittier

12. *Anneslia aculeata* (Spruce) Rose ined.

Calliandra aculeata Spruce; Benth. Trans. Linn. Soc. 30: 541. 1875.

Type locality: foot of Mt. Tungurague, Ecuador.

Distribution: Ecuador [Rose & Rose 22365]

I A Humiles

13. *Anneslia depauperata* B. & R. provisional

Colombia [vicinity of Medellin, R. A. Toro, 478]

Anneslia depauperata B. & R.
Ecuador [vicinity of Tungurague, 22365]

II Pubiflorae

14. *Anneslia glomerulata* (Karst.)

Calliandra glomerulata Karst. Fl. Col. 2: 5. 1862.

Type locality: mountains of Venezuela between Quibor and Tucujo.

Distribution: Venezuela [Pittier 9055, 9166]

Illustration: Karsten, loc. cit. pl. 103.

15. *Anneslia minutifolia* (Pittier)

Calliandra minutifolia Pittier, Arb. & Arb. Ven. 83. 1927.

? *Calliandra laxa parvifolium* Benth. Trans. Linn. Soc. 30: 551. 1875.

Type locality: vicinity of Valencia, Carabobo, Venezuela.

Distribution: known only from the type locality. [Pittier 9108]

16. *Anneslia paullosia* (J. R. Johnston)

Calliandra paullosia J. R. Johnston, Proc. Am. Acad. 40: 686. 1905.

Type locality: between El Valle and Juan Griego, Margarita Island, Venezuela.

Distribution: type locality and vicinity.

17. *Anneslia coroensis* (Karst.)

Calliandra coroensis Karst. Fl. Col. 2: 41. 1863.

Type locality: province of Coro, Venezuela.

Distribution: known only from the type locality.

Illustration: Karsten, loc. cit. pl. 121.

Not identified with specimens at New York, 1927

Anneslia cf. *laxa* (Pittier)
17a. *Calliandra* cf. *laxa* Pittier, Arb. & Arb. Ven. 114. 1929
from the same locality, Margarita Island, Venezuela [Pittier 12039]
[Pittier 12224]

66
18. *Anneslia Blakeana* (Pittier)

Calliandra Blakeana Pittier, Arb. & Arb. Ven. 82. 1927

Type locality: near Ojo de Agua, between Caracas and La Guaira,
Venezuela.

Distribution: known only from the type locality [Pittier 12407]

19. *Anneslia tolimensis* (Taubert) *her*

Calliandra tolimensis Taubert, Bot. Jahrb. 21: 314. 1895.

Type locality: Tolima, Colombia. (*Stenbol*)

Distribution: known only from the type locality and to us only
from description. *not at ...*

20. *Anneslia Hitchcockii* B. & R., provisional

Ecuador Between El Tambo and La Toma, Loja, [Hitchcock 21324,
type]

21. *Anneslia Cruegeri* (Griseb.)

Calliandra Cruegeri Griseb. Fl. Brit. W. Ind. 224, 1860.

Type locality: Chocachocacco [Chacachacare] Trinidad.

Distribution: known only from the type locality.

22. *Anneslia riparia* (Pittier)

25a Calliandra riparia Pittier, Arb. & Arb. Ven. 80, 1927

Type locality: Rio San Juan, Aragua, Venezuela.

Distribution: known only from the type locality. [Pittier 12309]

Note. - ~~Perhaps not of this series. No specimen at New York.~~
[Could go to ...]

III Purpureae

23. *Anneslia purpurea* (L.) B. & R.

N. Am. Flava 29: 60. 1928

Mimosa purpurea L. Sp. Pl. 517. 1753.

Calliandra purpurea Benth. Lond. Journ. Bot. 3: 104. 1844.

Calliandra obtusifolia (Willd.) Karst. Fl. Col. 2: 41. 1863.

Type locality: tropical America.

Distribution: Cumana, Venezuela (according to Karsten);

Grenada to St. Kitts; British Guiana (according to Benthham)

Illustration: Karsten, loc. cit. pl. 121.

IV Bijugae

24. *Anneslia taxifolia* (Kunth) Rose, ined.

Inga taxifolia Kunth, Mim. 64. 1821.

Calliandra taxifolia Benth, Lond. Journ. Bot. 3: 104. 1844.

Type locality: Paramo de Saragura, near Loxa, Ecuador.

Distribution: mountains of Ecuador [Rose & Rose 23040]

Illustration: Kunth, loc. cit. pl. 20.

25. *Anneslia laxa* (Willd.)

Mimosa laxa Willd. Sp. Pl. 4: 1069. 1806

Mimosa laxa Poir. in Lam. Encycl. Suppl. 1: 72. 1810.

Type locality: Caracas, Venezuela.

Distribution: Venezuela [Pittier 9275, 11784]

25a - L. laxa

26. *Anneslia stipulacea* (Benth.)

Calliandra stipulacea Benth. Journ. Bot. Hook. 2: 137. 1840.

Type locality: Rio Quitaro, British Guiana.

Distribution: known only from the type locality, and to us only from description.

27. *Anneslia magdalenae* (Bert.) B. & R.

N. Am. Flora 2: 60, 1928

Acacia magdalenae Bert.; Dc. Prodr. 2: 455. 1825.

Calliandra magdalenae Benth. Lond. Journ. Bot. 5: 102. 1846.

Type locality: Santa Marta, Colombia.

Distribution: Colombia; Venezuela; Ecuador (according to Bentham); Panama.

[Herbert H. Smith 32; Curran & Haman 1017]

27a. *Anneslia angustifolia* B. & R.
Villa vicaria, Colombia (Herb. Nat. Colombia 195)

28. *Anneslia fasciculata* (Willd.)

Inga fasciculata Willd. Sp. Pl. 4: 1022. 1806.

Mimosa fasciculata Poir. in Lam. Encycl. Suppl. 1: 46. 1810.

? *Inga pubiramea* Steud. Flora 26: 759. 1843.

Calliandra surinamensis Benth. Lond. Journ. Bot. 3: 105. 1844.

Type locality: Para, Brazil.

Distribution: Dutch Guiana (according to Bentham); Colombia (according to Bentham); Brazil

In New York Herbarium only Burchell 7526, Brazil, cited by Bentham

29. *Anneslia colombiana* B. & R., ined.

Triana 4479; *Andrieux* 1511

Colombia [Rusby & Pennell 1153, type; ~~Killip & Smith 16205~~]

Calliandra *surinamensis*

29a. *Anneslia pentanthera* B. & R.

Pentanthera (Herb. Nat. Colombia 195)

Calliandra *surinamensis*

70
30. *Anneslia medellinensis* B. & R., provisional

Colombia [Medellin, Toro 109]

descripta in the

31. *Anneslia rigida* (Benth.)

Calliandra rigida Benth. Lond. Journ. Bot. 5: 103. 1846.

Calliandra Hookeriana Schomb. Linnaea 20: 754.

Type locality: British Guiana.

Distribution: known only from the type locality, and to us only from description.

32. *Anneslia codonandra* (Benth.)

Codonandra purpurea Karst. Fl. Col. 2: 43. 1863.

Calliandra codonandra Benth. Trans. Linn. Soc. 30: 547. 1875.

Type locality: Uvedal, Coro, Venezuela.

Distribution: known only from the type locality and to us only from description and illustration.

Illustration: Karst. loc. cit. pl. 122.

33. *Anneslia Broadwayi* B. & R., provisional

Vicinity of Cristobal Colon, Venezuela [Broadway 184, type;
61]

Perhaps better grouped in Pubiflorae

34. *Anneslia Esmeraldae* B. & R., provisional

Vicinity of La Esmeralda, Santander, Colombia [Killip & Smith
20926]

descripta in the

143. Ameslia Pérezii (Harms)

Calliandra Pérezii Harms, Report N. Y. Acad.

24: 100, 1928

Type locality: Rio Piedras, western base of the
Piedra Nevada, Santa Marta, Colombia

(Arnold Pérez 553, ex Harms)

Descriptive notes: Known to me from description only.

The plant is arborescent (Harms)

arborescent - arborescent

20 ft at 1000 ft. alt.

yes -

1928

72
35. *Anneslia Smithiana* B. & R., provisional

Between Chinacota and La Esmeralda, Santander, Colombia

[Killip & Smith 20922]

V Microphyllae

36. *Anneslia Pittieri* (Standley) B. & R. *N. Amer. Flora 23: 68 1928*

Calliandra Pittieri Standley, Contr. U. S. Nat. Herb. 18: 104. 1916.

Type locality: La Esmeralda, near Jamundi, Cauca Valley, Colombia

Distribution: Colombia; Panama *Known only from the type locality.*

37. *Anneslia Purdiei* (Benth.) *Antioquia, 1844*

Calliandra Purdiei Benth. Lond. Journ. Bot. 3: 104. 1844.

Calliandra clavellina Karst. Fl. Col. 1: 159. 1858-61.

Type locality: mountains of Ocana, Colombia.

Distribution: Colombia [Pennell & Killip, 5978; Killip 11260;

Killip & Smith 14982, 16177] Ecuador

Illustration: Karst. loc. cit. pl. 79.

38. *Anneslia Trianae* (Benth.) *Lebanon (Hornum) Antioquia*

Calliandra bella var.? Trianae Benth. Trans. Linn. Soc. 30: 556.
1875.

Type locality: Colombia.

Distribution: Colombia. [*Triana*]

Known to us from description only; to be compared with A.

Pittieri

39. *Anneslia polyphylla* (Harms.)

Calliandra polyphylla Harms, Notizbl. 8: 51. 1921.

Type locality: Guaremales, Carabobo, Venezuela [Pittier 8861]

Distribution: known only from the type locality.

40. *Anneslia rupicola* B. & R.

Calliandra rupicola Pittier, ~~ined.~~ *Bob. & Rose, Figure, 49, 1927*

Venezuela - Curueuti (Pittier 1022) 10221

Note.- Perhaps not of this series.

VI Portoricensis

41. *Anneslia tetragona* (Willd.) Donn. Smith, Enum. Pl. Guat. 1: 10. 1889.

Acacia tetragona Willd. Sp. Pl. 4: 1069. 1806.

Calliandra tetragona Benth. Journ. Bot. Hook. 2: 139. 1840.

Type locality: River Guarito, Caracas, Venezuela.

Distribution: Venezuela [Pittier 11896]. Colombia [Killip &

Smith, 16832, 20500, 20522, 20851] Ecuador [Rose & Rose 23524]

Panama to Jalisco. *Joro 577*

? 42. *Anneslia portoricensis* (Jacq.) Donn. Smith, Enum. Pl. Guat. 2: 18.
1891.

Recorded by Benthham from British Guiana, Colombia and Ecuador.

Not known to us from South America. *- Venezuela as Pittier*
from the specimen 471
*= *Anneslia* *lambertiana**

43. *Anneslia venezuelensis* B. & R., provisional *- with name*

Venezuela Las Canizos Yaracuy, Venezuela [Pittier 8759, type,

9133] Compare *A. Lambertiana*. *Venezuela - from the same*

44. *Anneslia caracasana* (Jacq.) B. & R.

N. Am. Fl. 23: 65. 1928 ⁷⁴

Mimosa caracasana Jacq. Coll. 4: 142. 1790.

Calliandra curacasana Benth. Trans. Linn. Soc. 30: 543. 1875.

Type locality: Caracas, Venezuela.

Distribution: Venezuela [Pittier 9621, 9646]; Ecuador [Rose &

Rose 22643]

Colombia [Toro 787; *Venezuela* 4441; *Holton* 996; *Holton* 16483; 1989]

Illustration: Jacquin, Ic. Pl. Rar. pl. 632.

45. *Anneslia pubicarpa* B. & R., provisional

Ecuador [Guayaquil, Rose & Rose 22449, type; Hitchcock 20137;

Ventura, Rose & Rose 23517]

46. *Anneslia floribunda* Rose, ined.

Ecuador Between Loja and Portovelo, [Rose & Rose 23322, type]

47. *Anneslia arborea* B. & R., provisional

with rose = Pittier = same name

Colombia [Killip & Smith 19392, type, between El Roble and Tona]

between Tona and Tona

48. *Anneslia Toroana* B. & R., provisional

Colombia Vicinity of Medellin, [Toro 465]

Arceles 1626

Killip 16465

Arceles 1626

49. *Anneslia* (?) *trujillensis* B. & R., provisional

Venezuela Rio Loro, Trujillo, Venezuela [Pittier 10935]

[Pittier 10935]

June 1st

June 2nd - Holt & Co. 68

Calliandra ~~novae~~ *in* *the* *Himalayas*;
Wallace, *India* *Proc. L.S.* 1899, 1931

VII Formosae

50. Anneslia marginata Griseb., ined.

Calliandra gracilis Klotzsch; Baker in Saund. Ref. Bot. pl. 294.
1871. Not Griseb. 1866

Trinidad [Trin. Herb. 2551, coll. Finlay, type; 1069, coll.

Crueger]; Venezuela [Curran & Hamon^a 1144; Pittier, 11160,
11619, 11903; Broadway 243]; Colombia [H. H. Smith 36, 36a,
Elias 314; Heriberto 436; Killip & Smith, 14068, 14227, 14231,
14267, 14343, 14368, 14388, 14630, 14651]

see to a *Anneslia* sp. in
Colombia E. Smith 4451

VIII Houstonianae

51. Anneslia calothyrsus (Miquel) Donn. Smith, Enum. Pl. Guat. 1: 10.
1889.

Calliandra calothyrsus Miquel, Linnaea 21: 251. 1848.

Type locality: Mariepastor Creek, Surinam.

Distribution: known only from the type locality.

Fragment in New York Herbarium. Species perhaps not of this
series.

4a. *Anneslia pallatangensis* (Harms)

Calliandra pallatangensis Harms, Repert. 17: 87. 1921.

Type locality: Pallatanga, Ecuador (Sodiño 393)

Distribution: known only from the type locality and to us only from description.

4b. *Anneslia Sodiroi* (Harms)

Anneslia Sodiroides Harms, Repert 17: 87. 1921.

Type locality: Paramo Navog, Chimborazo, Ecuador (Sodiro
392)

Distribution: known only from the type locality and to us only from description.

13a. *Anneslia portovelensis* B. & R., provisional, Vicinity of
Portovelo, Ecuador Rose & Rose 23452, type

14a. *Anneslia Lehmannii* (Harms)

Calliandra Lehmannii Harms, Repert 17: 90. 1921.

Type locality: Rio Dagua, Cali, Colombia (Lehmann 5367)

Distribution: known only from the type locality, and to us from the description only.

Co-type at Washington

C. nicotianifolia (Hilleb.) Hook. & Ar.
var. angustata (Pursh) Hook. & Ar.
 50. 1937
Arundinaria -
var. elliptica, Cortagosa 499. -

19. *Pseudosauvagea Thavus*, Notif. 11: 54, 1930
Type & species: *Acacia Guachapele* HBK.

Lysiloma in northern South America

1. *Pseudosauvagea Guachapele* (HBK.) Thavus, Notif. 11: 54, 1930
1. *Lysiloma Guachapele* (H.B.K.) Benth. Trans. Linn. Soc. 30: 533. 1875.

Acacia Guachapele H.B.K. Nov. Gen. 6: 281. 1824.

Type locality: near Guayaquil, Ecuador.

Distribution: known only from the type locality, and to us only from the description and a photograph of the type specimen.

Note. Recorded by Benthham also from Panama.

19a. *Lysiloma Rostrata* D. Gardner
Type & species: *Acacia Rostrata* HBK.

2. *Lysiloma rostrata* (H. & B.) Benth. Lond. Journ. Bot. 3: 84, 1844.

Acacia rostrata H. & B.; Willd. Sp. Pl. 4: 1060. 1806.

Mimosa rostrata Poir. in Lam. Encycl. Suppl. 1: 66. 1810.

Mimosa ignava H.B.K. Nov. Gen. 6: 259. 1824.

Type locality: [tropical America; Magdalena River, Colombia, according to H.B.K.]

Distribution: known only from the type locality, and to us from description only. [Not at all in the text]

Note. Described as scandent. Probably not a Lysiloma.

3. *Acacia latifolia*

4. *Acacia latifolia* (Lam.) Willd. Sp. Pl. 4: 1060. 1806.
5. *Acacia latifolia* (Lam.) Willd. Sp. Pl. 4: 1060. 1806.

Vachellia Wrightii Arn.
Type species: *Acacia Farnesiana* Willd. 80

80 Vachellia in northern South America ✓

1. *Vachellia Farnesiana* (L.) Wright & Arn. Prodr. 272. 1834.

Mimosa Farnesiana L. Sp. Pl. 521. 1753.

Acacia Farnesiana Willd. Sp. Pl. 4: 1083. 1806.

Type locality: Domingo.

Distribution: Colombia [Rusby & Pennell 145; Killip & Hazen 8368]; Venezuela [Pittier 6340]; British Guiana [Hitchcock 1655]; French Guiana [Broadway 75]; West Indies; continental America; southern United States.

Poponax Raf.
Type species: Thiarea tortuosa L.
2 (Poponax in northern South America)

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1. Poponax pennatula (Schl. & Cham.) B. & R.

H. Que. Flora L.S. 88. 1928

Inga pennatula Schl. & Cham. Linnaea 5: 593. 1830
Acacia pennatula Benth. Lond. Journ. Bot. 1: 390. 1842.

Type locality: Hacienda de la Laguna, Vera Cruz

Distribution: Colombia [André 3570]. El Salvador to Sinaloa.

2. Poponax macracanthoides (Bert.) B. & R.

H. Que. Flora L.S. 89. 1928

Acacia macracanthoides Bert.; DC. Prodr. 2: 463. 1825.
Acacia subinermis Bert.; DC. Prodr. 2: 463. 1825.

Type locality: Jamaica.

Distribution: Margarita [Johnston 28; Miller and Johnston
114]; Venezuela [Curran & Haman 1230; 874; Broadway 140;
Pittier 11534]. Grenada to Tortola, Cuba and Bahamas;
Jamaica.

3. Poponax tortuosa (L.) Raf. Sylva Tell. 118. 1838.

Mimosa tortuosa L. Syst. Nat. ed. 10, 1312, 1759.
Acacia tortuosa Willd. Sp. Pl. 4: 1083. 1806.

Type locality: Jamaica.

Distribution: Curaçao [Killip & Smith 21048; Britton &
Shafer 2956; Curran & Haman 17] Bonaire [Boldingh 7090,
7142] Venezuela [Pittier 13097; 6393, 10235; Fendler 348; Curran & Haman
501, 951] Colombia [Killip & Smith 21010; H. H. Smith 297;
Record 493]

32. Poponax laevigata Willd.
and Poponax (Fendler 4437)

4. Poponax macracantha (H. & B.)

Acacia macracantha H. & B.; Willd. Sp. Pl. 4: 1080. 1806.
Mimosa macracantha Poir. in Lam. Encycl. Suppl. 1: 78. 1810.

Type locality: tropical America.

Distribution: Ecuador [Rose & Rose 23584]

Illustration: Kunth, Mim. pl. 28.

5. Poponax cochliacantha (H. & B.)

Acacia cochliacantha H. & B.; Willd. Sp. Pl. 4: 1081. 1806.
Mimosa cochliacantha Poir. in Lam. Encycl. Suppl. 1: 78. 1810.

Type locality: tropical America.

Distribution: Ecuador. Known to us only from description
and illustration.

Illustration: Kunth, Mim. pl. 29.

6. Poponax ecuadorensis B. & R., provisional

Ecuador [Rose, Pachano & Rose 23334, type; Rose & Rose
22428] See Hitchcock 20837.-

7. Poponax undulata B. & R., provisional

La Vela de Coro, northern Venezuela [Curran & Haman 458]

7a Poponax undulata und
Medellin, Colombia (2040 4-8)

8. Poponax pellacantha (Meyen)

Mimosa pellacantha Meyen, Reise 1: 445. 1834.

Acacia pellacantha Vogel, Nov. Act. Nat. Cur. 19: Suppl. 1, 19.
1843.

Type locality: (Original description not in library N. Y.
Bot. Gard.)

Distribution: Peru (according to Vogel); ? Ecuador [Rose
& Rose 23585, named at Kew, Sept. 1920]

9. Poponax flexuosa (H. & B.)

Acacia flexuosa H. & B.; Willd. Sp. Pl. 4: 1080. 1806.

Mimosa flexuosa Poir. in Lam. Encycl. Suppl. 1: 79. 1810.

Type locality: Cumana, Venezuela.

Distribution: tentative reference of the following specimens,
Colombia [Triana 4439; H. H. Smith 41; Killip & Smith 14090, 21093]
Venezuela [Fendler 362]; French Guiana [Broadway 282]

[See photo of type & specimens from Paris
not good but there are specimens ?]

10. Poponax Beebei B. & R., provisional

Galapagos [Wheeler, Rose & Beebe 74, type; Alban Stewart 1541, 1618]

11. Poponax galapagensis B. & R., provisional

Galapagos [Alban Stewart 1549, type; 1544, 1548, 1550, 1552, 1557]

Note. Not in New York Herbarium. Compare the following species.

12. Poponax insulae Jacobi (Riley)

Acacia insulae—Jacobi Riley, Kew Bull. 1925: 221. 1925.

Type locality: James Island, Galapagos.

Distribution: James Island, Galapagos [See Snodgrass &
Heller 398]

13? Poponax
Rava, Venezuela [Riley 1918] - no fruit

Acaciella Britton & Rose
Type species: Acacia villosa Vahl

85

22 Acaciella in northern South America

1. Acaciella curassavica B. & ^KR., provisional
Curaçao [Britton & Shafer 2943, type; Curran & Haman 139, 255;
Boldingh 5560; Killip & Hazen 21039, 21063]

2. Acaciella Pittieri B. & R., provisional
La Trinidad de Maracay, Aragua, Venezuela [Pittier 6044, type]

- ⁵ Acaciella Killipii B. & R., provisional
Colombia [Killip & Smith 16296, ^{type}~~type~~; H. H. Smith 295, Holton
998; Toro 164, 406]

Note. This has been referred to Acacia hirsuta

- ³ Acaciella confusa B. & R., provisional
Colombia [Killip & Smith 295a, fruiting specimen; ~~Lehmann B. P.~~
~~393~~; Holton 997.

Note. This has been referred to Acacia filicina.

^{type}
16457, ~~type~~; 16392, 19791; H. H. Smith

if Acaciella martinii - Provisional
Borneo, Monte Marito (H. H. Smith 295a)

also H. in some other specimens

Senegalia lat
Type species: Minuartia Senegal C

86'

23. Senegalia in northern South America ✓

1. Senegalia quadricostata (Britton)

Acacia quadricostata Britton, Bull. Torrey Club 48: 392, 1922

Type locality: Chacachacare Island, Trinidad, [Britton,
Freeman & Watts 2685, type]; ~~Venezuela [Broadway 116;
Pittier 12459]~~

2. [?]Senegalia guadalupensis (DC.)

A. C. N. H. Que. Lora 29: 119, 1928

Acacia guadalupensis DC. Prodr. 2: 464. 1825.

Type locality: Guadeloupe

Distribution: (?) Trinidad [Broadway, barren].

Martinique to Antigua.

3. Senegalia polyphylla (DC.)

Acacia polyphylla DC. Cat. Hort. Monsp. 74.

Type locality: Santa Marta, Colombia.

Distribution: Colombia [H. H. Smith 293, 294, 926;
(?) Elias 267]

La Senegalia ?

- Guayaquil, Ecuador [Elias 267]

4. *Senegalia* *bracteata* B. & R. (card 21)

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4. *Senegalia bracteata* B. & R., provisional

Santa Marta, Colombia [H. H. Smith 2247, type; 34; also Aristé-
Joseph, Cartagena in 1931]

with downy - *tanacetoides*

5. *Senegalia Currani* B. & R., provisional

Northern Venezuela [Curran & Haman 428, type]

6. *Senegalia Hamoni* B. & R., provisional

Chaparro, northern Venezuela [Curran & Haman 856, type]

Senegalia *Andreana* B. & R. (card 21)

7. *Senegalia Andreana* B. & R., provisional

near Babahoyo, Ecuador [André 4687, type]

Colombiana

undecanervosa B. & R.

8. *Senegalia pubescens* B. & R., provisional

undecanervosa

Colombia [Rusby & Pennell, 133, type; 365, 378, 1246]

7. *Senegalia* *Andreana* B. & R. (card 21)
Colombiana [Rusby & Pennell 365, 378]

9. *Senegalia Pittieri* B. & R., provisional

Venezuela, vicinity of Petron [Pittier 9789] vicinity of Las
Trancheras [Pittier 10379, type]

Andreana [Pittier 9789]

undecanervosa

10. Senegalia venezuelensis B. & R., provisional

Venezuela. Type from vicinity of Valencia, Carabobo [Pittier

9015, type; Tovar Fendler 333]

10a. *Senegalia leimanii* H. & R.
Cauca - Colombia [Leiman 924]

11. Senegalia glomerosa (Benth.) B. & R.

N. glomerosa Benth. 28: 116. 1848

Acacia glomerosa Benth. Lond. Journ. Bot. 1: 521. 1842.

Type locality: Rio de Janeiro, Brazil.

Raimond 450 C. B. 998

Distribution: Venezuela [Pittier 10252, 10523, 10859, 11187; *Colombia* (H. H. Smith 39); *Guiana* 4447, 12210, 2A]

Guiana (according to Benth). El Salvador to Yucatan.

Note. I do not see the line between this and A.

polyphylla any better than Benth did.

12 *Senegalia masingana* B. & R. (H. H. Smith 39) *Senegalia masingana* B. & R. (H. H. Smith 39) *Senegalia masingana* B. & R. (H. H. Smith 39)

12. Senegalia masingana B. & R., provisional. Masinga, Santa Marta,

Colombia [H. H. Smith 39, type]

13. Senegalia microphylla B. & R., provisional

Colombia [Anaporima, Fusugasuga, Triana, type; Fusugasuga;

André 1446; Rio Dagua Killip 11771]

13a. *Senegalia cordata* B. & R.
Cordoba, Rio Dagua (Killip 11771)
Senegalia cordata B. & R. (Killip 11771)

Senegalia cordata B. & R.

Type locality:

Colombia (1/4 mile 2247, 24) - 42

Waverley [Miller's counter 113].

Manuscripta [Miller & Co. 113].

гидрометеорологический

no. *Inc. ca. 10 to 15. H. x K. med*
Polivar, Col. 1000 ft. - 1000 ft. 55

21. *Amegalia* *Eliasoni* McR. in coll
Ranqueville, Columbia - Elias 602

22. *Penaeus* *torresianus* H. C. and
Pursho, same loc. - K. 14482

Leucaena *South*
by the species: Mimosa & Leucaena

24 *Leucaena* in northern South America

1. *Leucaena glauca* (L.) Benth. Journ. Bot. Hook. 4: 416. 1842.

Mimosa glauca L. Sp. Pl. 520. 1753.

Distribution Venezuela [Pittier 6079; 8651, 8780, ? 9670; Saer 213; Curran & Haman 1098] British Guiana [Hitchcock 16830] French Guiana [Broadway 113]

Type locality: Venezuela

2. *Leucaena trichoides* (Jacq.) Benth. Journ. Bot. Hook. 4: 417. 1842.

Mimosa trichoides Jacq. Hort. Schoenb. 3: 76. 1798
Acacia trichoides Willd. Sp. Pl. 4: 1063. 1806.

Distribution Venezuela [Pittier 8253; 11963; 12216]

Type locality: Caracas

Ill. Bot. 394

3. *Leucaena colombiana* B. & R., provisional

Colombia [H. H. Smith 37, type; 37a]

4. *Leucaena canescens* Benth. Pl. Hartw. 117. 1843

Distribution Ecuador [Hartweg 655, co-type; Rose & Rose 22456, 23606; Hitchcock 19986.]

Type locality: near Guayaquil

5. *Leucaena bolivarensis* B. & R., provisional

Colombia [Killip & Smith 14329, type]

See name

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25 Acuan in northern South America

1. Acuan virgatum (L.) Medic. Theod. 62. 1786.
Mimosa virgata L. Sp. Pl. 519. 1753.
Mimosa angustifolia Lam. Encycl. 1: 10. 1762.
Acacia virgata Gaertn. Fr. & Sem. 2: 317. 1791.
Desmanthus virgatus Willd. Sp. Pl. 4: 1047. 1806.
Desmanthus strictus Bertol. Giorn. Arcad. 21: 190. 1824.
Desmanthus leptophyllus H.B.K. Nov. Gen. 6: 264. 1824.
Acacia angustisiliqua Desf. Cat. Hort. Paris, ed. 3, 300. 1829.

Type locality: East Indies.

Distribution: Trinidad Kuntze 893; Johnston 70]; Aruba
[Boldingh 6558]; British Guiana [Hitchcock 16638]; Venezuela [Broadway
247; Pittier 5981; Curran & Haman 864] Colombia [H. H. Smith 310,300;
Killip & Smith 14001, ? 14078, 14069, 14084, 14125, 14334, 14372,
14560, 20753]. Florida; Bermuda; West Indies, Vera Cruz and Morelos
to Panama; Brazil and Paraguay.

Illustrations: Jacq. Hort. Vind. pl. 80; Gaertn. loc. cit.
pl. 148; Mart. Fl. Bras. 15²: pl. 79.

2. Acuan depressum (H. & B.) Kuntze, Rev. Gen. Pl. 158. 1891.

Desmanthus depressus H. & B.; Willd. Sp. Pl. 4: 1046. 1806.
Desmanthus diffusus Willd. Sp. Pl. 4: 1046. 1806.
Mimosa depressa Poir. in Lam. Encycl. Suppl. 1: 58. 1810.
Desmanthus tenellus DC. Prodr. 2: 445. 1825.

Type locality: South America.

Distribution: British Guiana [Jenman 4188, 4518, ~~4682~~];
Venezuela [Fendler 357; 484] Colombia [Funcke & Schlim 629; Schott
22; Killip 6223; Killip & Smith 20974]; Galapagos [Stewart 1658];
Florida; Bermuda; West Indies; Texas to Panama, Colombia, Peru and
Brazil. Trinidad

Illustration: Kunth, Mim. pl. 35.

3. Acuan multiglandulosum Britton, sp. nov.

Playa Brava, Colombia [H. H. Smith 2063]

Acuan multiglandulosum

4. *Acuan multiglandulosum* H. H. Smith 2063
Playa Brava, Colombia [H. H. Smith 2063]
Panama to Vera Cruz
[H. H. Smith 2063]

Leptoglottis DC.
Leptoglottis DC. (Willd.) DC. 195

26 Leptoglottis in northern South America

1. Leptoglottis leptocarpa (DC.) Standl. Journ. Wash. Acad. 15: 458. 1925.

Schrankia leptocarpa DC. Prodr. 2: 443. 1825.

Type locality: Santo Domingo.

Distribution: French Guiana [Broadway 120, 250]; Venezuela [Bailey 6610; Pittier 9753, 10676; Broadway 329]; Colombia [Killip & Smith 2098]; Hispaniola (ex de Candolle); Martinique; St. Vincent; Costa Rica; Panama; Brazil. Tropical Asia and Africa (ex Benthams*)

Illustration: Mart. Fl. Bras. 15²: pl. 99.

2. Leptoglottis hamata (H. & B.) Standl. Journ. Wash. Acad. 15: 453. 1925.

Schrankia hamata H. & B.; Willd. Sp. Pl. 4: 1042. 1806.

Type locality: Magdalena River, Colombia.

Distribution: Colombia [Holton; Pennell 4137; Toro 248; Killip & Smith 15410, 21112] Panama.

96'

Mimosa L.
Superficia: Mimosa

27 Mimosa in northern South America

A. Flowers spicate

1. Mimosa Schomburgkii Benth. Journ. Bot. Hook. 2: 133. 1840.

Type locality: Pirara, British Guiana.

Distribution: British Guiana. Honduras.

2. Mimosa tenuiflora (Willd.) Poir. in Lam. Encycl. Suppl. 1: 82. 1810.

Acacia tenuiflora Willd. Sp. Pl. 4: 1088. 1806.

Mimosa cabrera Karst. Fl. Col. 2: 63. 1862.

Type locality: Caracas, Venezuela.

Distribution: Venezuela [Pittier 11307, 11795; Jahn 1199]

Colombia, (ex Karsten); El Salvador; Oaxaca. - *to 1000 ft. in open places*

Illustration: Karsten, loc. cit. pl. 132. *at 1000 ft. in open places*

3. Mimosa arenosa (Willd.) Poir. in Lam. Encycl. Suppl. 1: 66. 1810.

Acacia arenosa Willd. Sp. Pl. 4: 1060. 1806.

Mimosa xantholasia Benth. Lond. Journ. Bot. 5: 88. 1846.

Type locality: near Caracas, Venezuela.

Distribution: Venezuela [Fendler 360; Curran & Haman 972;

E. Pittier 3; H. Pittier 9169, 9899, 9909, 10302, 11795;

Albert 178]

Note. Bentham records this species from Colombia, apparently in error.

3. a. *Mimosa*

arenosa (Pittier 112615)

97
4. Mimosa leiocarpa DC. Prodr. 2: 429. 1825.

Type locality: Santa Marta, Colombia.

Distribution: Colombia [H. H. Smith 35, 302, 2066, all from description] ? Venezuela [Curran & Haman 767.]

5. Mimosa Trianae Benth. Trans. Linn. Soc. 30: 412. 1875.

Type locality: Villavicencio, Colombia.

Distribution: Colombia; ? Venezuela [See Pittier, Arb. & Arb. Legum. 68.] *In Pittier 13104, det. Pittier*

Note. Not identified in New York Herbarium April, 1928. See Stevens, Venezuela. *No Colombia specimen at Washington, Oct. 1932. Curran to see New York fragment.*

6. Mimosa malacocentra Benth. Trans. Linn. Soc. 30: 415. 1875.

Type locality: near Rio Janeiro, Brazil.

Distribution: ?Venezuela (See Pittier, Arb. & Arb. Legum. 68.)

Note. Co-type in New York Herbarium.

7. Mimosa distachya Cav. Icones 3: 48. 1794.

7. Mimosa oligacantha DC. Prodr. 2: 429. 1825.

Acacia distachya DC. Prodr. 2: 456. 1825.

Mimosa remota Benth. Journ. Bot. Hook. 5: 88. 1846.

Type locality: Mexico. *Santa Marta, Colombia*

Distribution: Aruba [Boldingh]; Colombia [H. H. Smith 33]

?Venezuela [See Pittier, Arb. & Arb. Legum. 68] ~~Baraca~~. Cuba.

~~Illustration: Cav. loc. cit. pl. 295.~~

98
8. Mimosa tovariensis Benth. Trans. Linn. Soc. 30: 407. 1875.

Type locality: Tovar, Venezuela.

Distribution: Venezuela [Fendler 344]

9. Mimosa spiciflora Karst. Fl. Col. 2: 61. 1862.

Schrankia glabra Benth. Journ. Bot. Hook. 5: 94. 1846.

Type locality: Caracas, Venezuela

Distribution: Venezuela [Pittier 9111]

Illustration: Karst. loc. cit. pl. 131.

10. Mimosa millefoliolata Scheele, Linnaea 17: 337. 1843.

Schrankia macrostachya Benth. Journ. Bot. Hook. 4: 414. 1842.

Mimosa calistachya Presl. Bot. Bem. 65.

Type locality: Minar, Brazil.

Distribution: Venezuela [Pittier 9775, 11568, 11973, ex
Pittier] Brazil.

10a. Mimosa esmeraldae Britton, provisional

Between Chinacota and La Esmeralda, Colombia [Killip & Smith

20889]

Described from the type

89

B. Flowers capitate

11. Mimosa Velloziana Mart.; Benth. Journ. Bot. Hook. 4: 361. 1842.

Type locality: Rio de Janeiro, Brazil.

Distribution: Colombia (ex Benth). Panama. Brazil.

Illustrations: Vell. Fl. Flum. 11: pl. 33, as M. viva; Benth. in
Mart. Fl. Bras. 15²: pl. 80.

Note. Co-type in New York Herbarium

12. Mimosa jiramenensis Karst. Fl. Col. 2: 59. 1862.

Mimosa Velloziana jiramenensis Benth. Trans. Linn. Soc. 30: 390.
1875.

Type locality: Rio Meta, between Jiramete and Villavicentio,
Colombia.

Distribution: known only from the type locality, and to me
only from description and illustration.

Illustration: Karst. loc. cit. pl. 130.

Note. Not collected by Pittier.

*to Colombia see Pittier 1875
Villavicentio, Dec. 1912*

13. Mimosa sensitiva L. Sp. Pl. 5: 18. 1753.

Type locality: Brazil.

Hosta 1812

Distribution: Venezuela [Pittier 8640] Brazil.

101
14. Mimosa rixosa Mart. Flora 21: Beibl. 57. 1838.

Error for ? Mimosa violacea Bonpl. in Tenore, Cat. Ort. Nap. 87. 1845.
Mimosa paniculata Benth. Journ. Bot. Hook. 4: 362. 1842.
Mimosa pauciseta Benth. (according to Bentham)

Type locality: Minas Geraes, Brazil.

Distribution: ? Venezuela [See Pittier, Arb. & Arb. Legum. 71]
Brazil; Bolivia.

Note. Not collected by Pittier.

15. Mimosa floribunda Willd. Sp. Pl. 4: 1031. 1806.

? Mimosa strigosa Willd. Sp. Pl. 4: 1030. 1806.
Mimosa Willdenovii Poir. in Lam. Encycl. Suppl. 1: 50. 1810.

Type locality: Caracas, Venezuela.

Distribution: Venezuela [Fendler 349; Albert 88; Pittier 11256,
12570; E. Pittier 21] Colombia [Holton 994; Triana 4433;
H. H. Smith 102; Pennell & Killip 6095, 6284, 6389, 8019, 8126;
André 2698; Killip 6835; Killip & Smith 15464. 16376, 16480, 16852,
16888; Toro 85, 692; Rusby & Pennell 475]; Ecuador [? Rose & Rose
22111; (?) Rose, Pachano & Rose 23043; (?) Hitchcock 19941.

Illustration: Hook. Icones pl. 373.

16. Mimosa albida H. & B.; Willd. Sp. Pl. 4: 1050. 1906.

Type locality: South America (coast of Peru at Moche, according
to Kunth)

Distribution: Venezuela [Eggers 13502, according to Pittier];
Colombia (?) Panama to Michoacan and Vera Cruz.

Illustration: Kunth, Mim. pl. 1.

102
17. Mimosa adhaerens H.B.K. Nov. Gen. 6: 249. 1824.

Type locality: Orinoco River.

Distribution: known only from the type locality and to us from description only.

18. Mimosa debilis H. & B.; Willd. Sp. Pl. 4: 1029. 1806

Mimosa Hostmanni Benth. Lond. Journ. Bot. 5: 84. 1846.

Mimosa notata Steud. Flora 26: 758. 1843.

Type locality: Caripe, Colombia. *Chaparral*

Distribution: Colombia [Pennell 1618 ?]; Dutch Guiana and Brazil (according to Bentham)

18a. *Mimosa Hostmanni* (Benth.) Willd.
Fl. debilis - same species as M. debilis

Type locality: Caripe

Colombia [Pennell 1618] - same as M. debilis

19. Mimosa valenciana B. & R., provisional

Vicinity of Valencia, Carabobo, Venezuela [Pittier 8721]

Mimosa debilis ? = *debilis*

20. Mimosa guaremalensis B. & R., provisional.

Gueremales, Carabobo, Venezuela [Pittier 9116]

Mimosa debilis ?

21. Mimosa guayasana B. & R., provisional.

Between Guayaquil and Salinas, Guayas, Ecuador [Hitchcock

20047, 20041.]

Mimosa debilis ?

22. Mimosa pseudalbida B. & R. provisional

Vicinity of Loja, Ecuador [Rose, Pochano & Rose 23256.]

Descriptive notes

23. Mimosa Jamesoni B. & R. provisional

Ecuador. Banks of the Machangara, February, 1862 W. Jameson,
type; between Otavalo and Malchingui [Hitchcock 20814.]

Descriptive notes

24. Mimosa pomasguiensis B. & R. provisional

Vicinity of San Antonio and Pomasqui, Ecuador [Rose & Rose
23569]

Descriptive notes

25. Mimosa casta L. Sp. Pl. 518. 1753.

Mimosa dominiciana Desv. Ann. Sci. Nat. 1: 9: 424. ^

Type locality: India (ex Linnaeus)

Distribution: Tobago [Eggers 5687; Broadway 3177, 3442] Trinidad
[Britton & Mendelson 1587; Britton 2488]; Colombia [Pennell
4184] Guadeloupe. Martinique. Dominica. St. Vincent.
Panama. *Descriptive notes*

104
26. Mimosa Sagotiana Benth. Trans. Linn. Soc. 30: 394. 1875.

Type locality: Cayenne.

Distribution: French Guiana and Brazil (according to Benthham)

Note. Not in New York Herbarium, April, 1928.

27. Mimosa schrancioides Benth. Lond. Journ. Bot. 5: 86. 1846.

Type locality:

Distribution: British Guiana. Venezuela [according to Benthham;
see Pittier, Arb. & Arb. Legum. 71, but not collected by him.

Note. Not identified at New York, April, 1928.

28. Mimosa santanderensis B. & R., provisional

Puerto Wilches, Santander, Colombia [Killip & Smith 14798]

see in the collection

29. Mimosa Killipii B. & R., provisional

Colombia, Santander [Killip & Smith 16414, type; 20861]

see in the collection

108
30. Mimosa pectinata Kunth, Mim. 5. 1819.

Type locality: Guayan^{an} Andes, Ecuador, on banks of the
Guancabamba River.

Distribution: known only from the type locality and to us
only from description and illustration.

Illustration: Kunth, loc. cit. pl. 2.

31. Mimosa polycarpa Kunth, Mim. 8. 1819.

Mimosa longipinna Benth. Journ. Bot. Hook. 4: 366. 1842

Type locality: Caxamarca, Peru.

Distribution: Venezuela [Pittier 11328, 12492 part] Peru
Bolivia Brazil Paraguay.

32. Mimosa pudica L. Sp. Pl. 578. 1753.

Mimosa hispidula H.B.K. Nov. Gen. 6: 252. 1824.

Type locality: Brazil.

Distribution: Tobago (Eggers 5554); Trinidad (?) French
Guiana [Broadway 684; pinnae one pair]; Venezuela [Pittier
9729, 12546]; Colombia [Triana 4437; Holtan; Rusby &
Pennell 154, 210; Pennell 5463; Pennell & Killip 6056;
Pennell, Killip & Hazen 8491; Killip & Smith 14237]
Jamaica, Bahamas and Cuba to Trinidad. Veracruz to Panama.
Brazil. Naturalized in the Old World tropics.

Illustration: Plum. Pl. Am. pl. 202; Rot. Reg. pl. 941;

Fawcett & Rendle, Fl. Jam. 4²: p. 42.

33. Mimosa polydactyla H. & B.; Willd. Sp. Pl. 4: 1033. 1806.

Type locality: Black River near San Carlos, New Guayana.

Distribution: British Guiana [Jenman 4469; Hitchcock 16665,
French Guiana [Broadway 274, 451] 17047; La

Cruz 3448, 3511] Venezuela [ex Pittier] Colombia [Ex Benthams]

Panama.

No Colours in specimen at
Museum, Det. 1982

Illustration: Kunth, Mim. pl. 5.

34. Mimosa daguensis B. & R., provisional

Dagua Valley, El Valle, Colombia [Pennell 5613]

35. Mimosa Andreana B. & R., provisional

Mercadores, Andes of Colombia [André 2921]

Recovering specimen

36. Mimosa tomentosa H. & B.; Willd. Sp. Pl. 4: 1033. 1806.

Type locality: near Maypures, Orinoco River, Venezuela.

Distribution: Venezuela [Pittier 12359]

Illustration: Kunth, Mim. pl. 4.

107
36a. Mimosa obovata Benth. Journ. Bot. Hook. 4: 394. 1842.

? Acacia Guilandinae DC. Prodr. 2: 465. 1825.

Type locality: Brazil.

Distribution: Venezuela (ex Benth. & Arb. Legum. 70, but not collected by Pittier) Brazil.

Note. Not in New York Herbarium. Acacia Guilandinae DC.,

type locality Cayenne, cited by Benth. as a synonym of

M. obovata, is described as bearing glands below the

ultimate leaflets; Pseudomimosa?

[See M. obovata Hook. f.]

37. Mimosa pistaciaefolia Willd. Sp. Pl. 4: 1028. 1806.

Inga pistaciaefolia Spreng. Syst. 3: 131. 1826.

Type locality: Caracas, Venezuela.

Distribution: Known only from the type locality and to us from description only.

Note. Generic position questioned by Benth. & Arb. Legum. species not in Pittier Arb. & Arb. Legum.

38. Mimosa bimucronata (DC.) Kuntze, Rev. Gen. Pl. 198. 1891.

Acacia bimucronata DC. Prodr. 2: 469. 1825.

Mimosa sepiaria Benth. Journ. Bot. Hook. 4: 395. 1842.

Mimosa thyrsoidea Griseb. Fl. Brit. W. Ind. 219.

Type locality: Brazil.

Distribution: British Guiana [Jenman 5254] Brazil. Naturalized in Jamaica.

39. Mimosa montana Kunth, Mim. 31. 1819.

Type locality: Caxamarca, Peru.

Distribution: Ecuador [ex Benth] Peru.

Illustration: Kunth, loc. cit. pl. 10.

Note. Known to us only from description and illustration.

40. Mimosa somnians H. & B.; Willd. Sp. Pl. 4: 1036. 1806.

Mimosa palpitans Willd. Sp. Pl. 4: 1036. 1806.

Mimosa somniculosa H.B.K. Nov. Gen. 6: 257. 1824.

Type locality: tropical America [Andes of Colombia, ex Kunth]

Distribution: Guiana (ex Benth); Venezuela (ex Pittier, but not collected by him); Colombia [André 1078, 1981; Triana 4430; Pennell 1758; Pennell 2837, 3445, 3483, 3490; Rusby & Pennell 505, 1018; Killip & Smith 15113, 15425] Defaco

Illustration: Kunth, Mim. pl. 7.

41. Mimosa dormiens H. & B.; Willd. Sp. Pl. 4: 1035. 1806.

Mimosa humilis H. & B.; Willd. Sp. Pl. 4: 1035. 1806.

Mimosa intermedia Kunth, Mim. 16. 1819.

Type locality: Atures, ^

Distribution: Guiana (ex Benth); Venezuela [Rusby & Squires 83; Pittier 12343]; Colombia (ex Benth); Brazil, the Calabash Inc. ^

Illustration: Kunth, loc. cit. pl. 6.

Note. See Central American & Mexican range.

109

42. Mimosa camporum Benth. Journ. Bot. Hook. 2: 403. 1840.

Type locality: British Guiana.

Distribution: Known only from the type locality and to us from description only. - *See Pittier 1842, -*

43. Mimosa flaviseta Benth. Lond. Journ. Bot. 5: 90. 1846.

Type locality: Surinam.

Distribution: Dutch Guiana [Hostmann & Keppler 313]

44. Mimosa flavescens Splitg. in Hoen. & Vries, Tijdschr. 9: 110. 1842.
[Pl. Nov. Sur. 16]

Type locality: Surinam.

Distribution: Dutch Guiana; Venezuela ? [See Pittier, Arb. & Arb. Legum. under M. camporum ?] Colombia [H. H. Smith 301; Rusby & Pennell 129; Killip & Smith 14141, 14427]

(Mimosa aeschinominis Benth. Bot. Voy. Sulph. 89. 1844.

45. Mimosa tobagoensis Urban, Repert. 15: 307. 1918.

Type locality: near Scarborough, Tobago.

Distribution: Tobago [Broadway 4776; co-type]

110
46. Mimosa orthocarpa Spruce; Benth. Trans. Linn. Soc. 30: 437. 1875.

Type locality: Para, Brazil.

Distribution: Trinidad Sieber 197, ex Urban, Repert. 15: 508

Brazil (ex Benth)

Note. Not in New York Herbarium, April 1928. *See Young sheet*

47. Mimosa invisa Mart. Flora 20: Beibl. 121. 1837.

1869.

Schrankia brachycarpa Benth. Journ. Bot. Hook. 2: 130. 1840.

Mimosa diplotricha C. Wright; Sauvalle, Anales Acad. Habana 5: 405.

Morangia pilosa Standl. Contr. U. S. Nat. Herb. 18: 105. 1916.

Schrankia pilosa Macbride, Contr. Gray Herb. 59: 11. 1919.

Type locality: Rio de Janeiro, Brazil.

Distribution: Trinidad (ex Fawcett & Rendle); Guiana (ex

Benth); ? Venezuela (see Pittier, Arb. & Arb. Legum. 70);

Colombia [H. H. Smith 101; Toro 248A] Cuba; Jamaica;

Hispaniola; Veracruz and Tepic to Panama; Brazil. Cuba.

Jamaica. Hispaniola.

Illustration: Mart. Fl. Bras. 15²: pl. 97.

48. Mimosa pigra L. Cent. Pl. 1: 13. 1755.

Mimosa asperata L. Syst. ed. 10, 1312. 1759.

Mimosa hispida Willd. Sp. Pl. 4: 1037. 1806.

Mimosa pellita H. & B.; Willd. Sp. Pl. 4: 1037. 1806.

Type locality: not cited.

Distribution: Trinidad [R. O. Williams]; French Guiana [Broadway

115]; British Guiana [Jenman 4639; Gleason 502; Hitchcock

16802; Abraham 206]; Venezuela [Rusby & Squires 197;

Fendler 342; Pittier 8698, 11074, 12062]; Colombia [Holton

995; Triana 4439; André 265, 530, 2570; Elias 205;
H. H. Smith 299, 2246; Pennell 3861; Rusby & Pennell
313, 1106; Killip 6217; Killip & Hazen 3379; Killip &
Smith 14601, 14706, 14804, 14938]; Ecuador [Rose & Rose
23416; Hitchcock 20205, 20249] ? Galapagos [old specimen]
Jamaica, Cuba, Guadeloupe to Grenada; Sinaloa and
Tamaulipas to Panama, Bolivia and Paraguay.

Illustrations: Breyn, Cent. Prim. pl. 19; 20; Comm. Amst.
pl. 30; Miller, Icones pl. 182; DC. Mem. Leg. pl. 63;
Kunth, Mim. pl. 9.

49. Mimosa pseudocinerea B. & R., provisional

Lower Orinoco River, Venezuela, [Rusby & Squires 17]

Described from material

50. Mimosa Randii B. & R., provisional

Orinoco Delta, Venezuela [Bond, Gillin & Brown 165]

Described from material

51. Mimosa microcephala H. & B.; Willd. Sp. Pl. 4: 1039. 1806.

Type locality: Orinoco River, Venezuela.

Herbar. Bogota per 412; Herb. A. de 770.

Distribution: Guiana (ex Benthams); Venezuela. Brazil (ex Benthams)

Illustration: Kunth, Mim. pl. 8.

Note. Known to us only from description and illustration. Not

collected by Pittier.

112
52. Mimosa martensis B. & R., provisional

Santa Marta, Colombia [H. H. Smith 714]

Desmodium *martense*

53. Mimosa Gillini B. & R., provisional

Venezuela. Orinoco Delta [Bond, Gillin & Brown 126, type;

Desmodium

[Pittier 12505]

Desmodium *gillini*

54. Mimosa ?

Mene Grande, Zulia, Venezuela [Pittier 10563]

- ✓ 55. Mimosa myriadena Benth. Trans. Linn. Soc. 30: 403. 1875.

(Acacia paniculaeflora Steud. Flora 26: 760. 1843.
Entada myriadena Benth. Journ. Bot. Hook. 2: 133. 1840.)

Type locality: Surinam.

Distribution: French Guiana [Melinon]; Dutch Guiana [Hostmann];

British Guiana [Jenman 4741, 6319; Hitchcock 17167; La Cruz
2356, 2623] Brazil (~~according to Benth~~)

- ✓ 56. Mimosa altissima Britton, provisional

Mimosa paniculata Benth. Journ. Bot. Hook. 2: 131. 1840. Not
Poir. 1806.

Type locality: British Guiana.

Distribution: British Guiana [Schomburgk 645]

57. Mimosa colombiana Britton & Radley

Mimosa bauhiniaefolia Karst. Fl. Col. 2: 65. Not Salisb. ^

Type locality: Villavicencio, Colombia.

Distribution: Colombia [Triana 4435; André 271, 451; Killip &
Smith 14918]

Illustration: Karst. loc. cit. pl. 133.

Neomimosa Britton & Rose
Type species: Mimosa unguiculata R. & P. 1850

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28 Neomimosa in northern South America

1. Neomimosa acantholoba (H. & B.) B. & R.

Acacia acantholoba H. & B.; Willd. Sp. Pl. 4: 1089. 1806?

Mimosa acantholoba Poir. in Lam. Encycl. Suppl. 1: 83. 1810.

Acacia Courontiana DC. Prodr. 2: 465. 1825.

Type locality: South America.

Distribution: Ecuador (Rose & Rose 22462; Hitchcock 19981)

Mimosopsis quitensis
Mimosopsis andina
29 Mimosopsis in northern South America

1. Mimosopsis quitensis (Benth.) B. & R.

Mimosa quitensis Benth. Journ. Bot. Hook. 4: 408. 1842.

Type locality: Quito, Ecuador.

Distribution: Ecuador Couthouy ; Colombia [Triana 4451];
André K. 413; Killip 6810; ? Pittier 1241]

2. Mimosopsis andina (Benth.) B. & R.

Mimosa andiana Benth. Trans. Linn. Soc. 30: 427. 1875.

Type locality: Huataxi, Andes of Ecuador.

Distribution: Ecuador [Rose & Rose 22289, 23848, 22429; ?
Hitchcock 20812]

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Mimosa prostrata Lam. Encycl. 1: 10. 1783.

Neptunia oleracea Lour. Fl. Coch. 654. 1790.

Mimosa lacustris H. & B. Fl. Aquin. 1: 55. 1806.

Desmanthus lacustris Willd. Sp. Pl. 4: 1044. 1806.

Type locality: India.

Distribution: British Guiana [Hitchcock 16782]; Venezuela [Rusby & Squires]; Colombia Pennell 3930; Killip & Smith 14500, 14593; Ecuador [André 4072; Hitchcock 20115]. Cuba; Jamaica; Yucatan. Tropical Asia and Africa.

Illustrations: H. & B. loc. cit. pl. 16; Fawcett & Rendle,
Fl. Jam. 4²: f. 40.

2. Neptunia plena (L.) Benth. Journ. Bot. Hook. 4: 355. 1842.

Mimosa plena L. Sp. Pl. 519. 1753.

Desmanthus punctatus Willd. Sp. Pl. 4: 1047. 1806.

Desmanthus plenus Willd. Sp. Pl. 1045. 1806.

Neptunia surinamensis Steud. Flora 26: 759. 1843.

Type locality: Veracruz, Mexico.

Distribution: Trinidad [Finley 2544]; Curaçao [Boldingh 5193]; British Guiana [Jenman 6248; Hitchcock 16729]; French Guiana [Broadway 260]; Venezuela [Curran & Haman 954; Pittier 12515]; Colombia [H. H. Smith 298; Pennell 3951]; Galapagos [Wheeler, Rose & Beebe 78, 82]. West Indies. Lower California; Panama; Brazil.

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Neltuma in northern South America

1. Neltuma juliflora (Sw.) Raf. *Proc. Linn. Soc. New South Wales* 11: 1838.
Prosopis juliflora Sw. Prodr. 85. 1788.
Acacia cumanensis Willd. Sp. Pl. 4: 1058. 1806.
? Acacia pallida Willd. Sp. Pl. 4: 1059. 1806.
Acacia juliflora Willd. Sp. Pl. 4: 1076. 1806.

Type locality: Jamaica.

Distribution: Curaçao [Britton & Shafer 3053; Curran & Haman 198]; Bonaire [Boldingh 7297]; Aruba [Boldingh 6478]; Venezuela [Curran & Haman 558, 783, 967; Jahn 764; Pittier 8631, 9170]; Colombia [Schott; H. H. Smith 40; Killip & Smith 14002, 20989, 21073]. Jamaica; Bahamas; Cuba to Tortola; Monserrat; Barbados.

Illustration: Descourt. Fl. Ant. 8: pl. 550.

2. Neltuma longestipitata Britton, provisional

Vicinity of Duran, Ecuador [Hitchcock 23587]

3. Neltuma oroana Britton, provisional

Between Mochala and Puerto Bolivar, Oro, Ecuador [Hitchcock 21114]

4? Neltuma ?

from the same locality as Neltuma 1806

5. *Stroph. no. 100000 (?)* *Colombiana* sp. nov.
Pau. de, Colombia (Kil. 16268)

119

Stryphnodendron in northern South America

1. Stryphnodendron guianense (Aubl.) Benth. Trans. Linn. Soc. 30: 374. 1875.

Mimosa guianensis Aubl. Pl. Guian. 2: 938. 1775.

Acacia guianensis Willd. Sp. Pl. 4: 1061. 1806.

Piptadenia guianensis Benth. Journ. Bot. Hook. 4: 335. 1842.

Type locality: Cayenne

Distribution: French Guiana [Leprurier; Broadway 896]

British Guiana [Jenman 5012]

Illustration: Aubl. loc. cit. pl. 357.

1. Stryphnodendron (?) colombianum Britton & Rose
Nov. 16268

2. Stryphnodendron pulcherrimum (Willd.) Hochr. Bull. N. Y. Bot.

Gard. 6: 274. 1910.

Acacia pulcherrima Willd. Sp. Pl. 4: 1061. 1806.

Mimosa pulcherrima Poir. in Lam. Encycl. Suppl. 1: 66. 1810.

Stryphnodendron floribundum Benth. Journ. Bot. Hook. 4: 343. 1842.

Type locality: Para, Brazil.

Distribution: British Guiana [Schomburgk 799]. Brazil.

3. Stryphnodendron polytachyum (Miquel) Benth.
Proc. Linn. Soc. New South Wales. 22: 416. 1926
Type locality: Surinam
beside the river; near the station
Note: Is Stryphnodendron polytachyum Miquel
described?

4. Stryphnodendron laevigatum Klein. Proc.
Linn. Soc. New South Wales. 22: 417. 1926
Type locality: Surinam
beside the river; near the station
Note: Is Stryphnodendron laevigatum Klein
described?

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Piptadenia in northern South America

1. Piptadenia polystachya Miquel, Linnaea 18: 590. 1844.

Type locality: Bergendaal, Surinam.

Distribution: known only from the type locality, and to us from description only.

Note. - Unknown to Bentham.

2. Piptadenia suaveolens Miquel, Linnaea 18: 589. 1844.

Type locality: Bergendaal, Surinam.

Distribution: known only from the type locality, and to us from description only.

3. Piptadenia flava (Spreng.) Benth. Trans. Linn. Soc. 30: 371. 1875.

Acacia flava Spreng.; DC. Prodr. 2: 469. 1825.

Type locality: Santa Marta, Colombia.

Distribution: Trinidad [Trin. Herb. 2548, 8072]; Venezuela [Curran & Haman 592, 592 A; Broadway 64, 515] Colombia [H. H. Smith 303, 304, 306; Killip & Smith 14211, 14381, 14442, 14528] Ecuador [Hartweg 653; Hitchcock 20143]

Elías 804

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4. *Piptadenia viridiflora* (Kunth.) Benth. Journ. Bot. Hook. 4: 337.
1842.

Acacia viridiflora Kunth, Mim. 81. 1819.

Acacia subtilifolia H.B.K. Nov. Gen. 6: 268. 1824.

Piptadenia subtilifolia Benth. Journ. Bot. Hook. 4: 337. 1842.

Type locality: near San Felipe, Bracamoras, Ecuador.

Distribution: ^{Ecuador} type locality and recorded by H.B.K. from Cbota
River, New Grenada (Colombia?)

Illustration: Kunth, Mim. pl. 25.

~~Note. Known to us only from description and illustration.~~

5. *Piptadenia rubescens* Pittier, Arb. & Arb. Ven. 84. 1927.

Type locality: between Ortiz and El Sombrero, Guarico,
Venezuela.

Distribution: Venezuela [Pittier 11361, co-type.]

6. *Piptadenia pseudoflava* Pittier, Arb. & Arb. Ven. 84. 1927.

Type locality: near Valera, Trujillo, Venezuela.

Distribution: Venezuela [Pittier 10787, co-type]

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7. Piptadenia Pittieri Harms, Notizb. Bot. Gart. Berlin 8: 51. 1921.

Type locality: Guaremales, Carobobo, Venezuela.

Distribution: Venezuela [Pittier 8859, ^{12/90}co-type.]

8. Piptadenia robusta Pittier, Arb. & Arb. Ven. 85. 1927.

Type locality: near Caracas, Venezuela.

Distribution: known only from the type locality (Pittier 8297, type).

~~Note. Not in New York Herbarium, May, 1928.~~

9. Piptadenia Voronoffii Pittier, Arb. & Arb. Ven. 86. 1927.

Type locality: between Ortiz and El Sombrero, Guárico, Venezuela.

Distribution: known only from the type locality. (~~Pittier 12323,~~
~~type~~)

~~Note. Not in New York Herbarium, May, 1928.~~

10. Piptadenia

Puerto Cabello, Venezuela [André 171]

11. Piptadenia (?) littoralis Britton, sp. nov.

Coastal thicket, Tierrabomba Island, Cartagena Bay, Bolivar,
Colombia (Killip & Smith 14140) - *Have*

11. *Piptadenia speciosa* ined.
Barvaquilla (Elias 513) Herb -

12. Piptadenia (?) uliginosa Britton, sp. nov.

In mud, Los Volcanes, near Turbaco, Bolivar, Colombia (Killip
& Smith 14453) *Herbarium with*

13. *Piptadenia* (?) *racilipta* ined.
Colombia [Killip & Smith 14501, 14481;
Record 26]

Niopa. Northern South America 124
Type localities: Niopa, Venezuela

34 Niopa in northern South America

Shore,

1. *Niopa peregrina* (L.) Britton, Addisonia 12: 37. 1927.

Mimosa peregrina L. Sp. Pl. 502. 1753.

Acacia peregrina Willd. Sp. Pl. 4: 1073. 1806.

Acacia microphylla Willd. Sp. Pl. 4: 1073. 1806.

Inga Niopa Willd. Sp. Pl. 4: 1027. 1806.

Mimosa parvifolia Poir. in Lam. Encycl. Suppl. 1: 74. 1810.

Acacia Niopa H.B.K. Nov. Gen. 6: 282. 1824.

Acacia angustifolia DC. Prodr. 2: 470. 1825.

Mimosa acacioides Benth. Journ. Bot. Hook. 2: 132. 1840.

Type locality: America.

Distribution: Trinidad Trin. Herb. 3675 ; British Guiana

Schomburgk 866; Venezuela R. P. Stevens; Pittier 11755 Hispaniola;
Porto Rico; Dominica to Grenada; Brazil.

Illustration: Britton, loc. cit. pl. 403.

Mimosa Niopa Poir. in Lam. Encycl. Suppl. 1: 48. 1810.

Pityrocarpa (Rubiaceae, *Passifloraceae*?) 125
Pityrocarpa (Rubiaceae, *Passifloraceae*?) 125

45 *Pityrocarpa* in northern South America

1. *Pityrocarpa psilostachya* (DC.)

Acacia psilostachya DC. Prodr. 2: 457. 1825.

Acacia stenostachya Desv.; Hamilt. Prodr. Fl. Ind. Occ. 59. 1825.

Inga stenostachya Desv. Ann. Sci. Nat. I 9: 427.

Piptadenia psilostachya Benth. Journ. Bot. Hook. 4: 336. 1842.

Type locality: French Guiana.

Distribution: French Guiana, and Dutch Guiana (according to Benth.); *Venezuela* (Pitca 10858)

Note. Not in New York Herbarium, May, 1928. The fruit is apparently unknown.

36 *Leuca?* 126
Goldmania in northern South America

1. Goldmania foetida (Jacq.) Standl. Contr. U. S. Nat. Herb.

23: 354. 1922.

Mimosa foetida Jacq. Hort. Schombr. 3: 73. 1798.

Inga foetida Willd. Sp. Pl. 4: 1008. 1806.

Acacia foetida H.B.K. Nov. Gen. 6: 265. 1824.

Piptadenia foetida Benth. Trans. Linn. Soc. 30: 366. 1875.

Type locality: species described from cultivated plants, origin not recorded.

Distribution: Mescala and Venta de Estola, Andes of New Spain ^{Mexico}
~~Colombia~~ (according to H.B.K.)

Illustration: Jacq. loc. cit. pl. 390.

Note: probably not South America. See Goldmania platycarpa
Rose, of Mexico. *but not it*

Even more recorded from a tree in the forest

17 Entada in northern South America

1. Entada gigas Fawcett & Rendle, Fl. Jam 4²: 124. 1920.

Mimosa gigas L. Pl. Jam. 22. 1759.

Mimosa scandens L. Sp. Pl. ed. 2, 1501. 1763.

Entada scandens Benth. Journ. Bot. Hook. 4: 332. 1842.

Entada scandens acutifoliola Kuntze

Type locality: Jamaica.

Distribution: Venezuela [Kuntze 1727]; Colombia [H. H. Smith 2113] Jamaica; Cuba; Hispaniola; Martinique; St. Vincent; Mexico; Honduras. Old World tropics.

Illustrations: Tussac, Fl. Ant. 3: pl. 21; Fawcett & Rendle, loc. cit f. 38.

2. Entada polyphylla Benth. Journ. Bot. Hook. 2: 133. 1840. 191. 1928

Type locality: Rio Quitaro, British Guiana.

Distribution: British Guiana and French Guiana (according to Bentham). Brazil and Peru (according to Bentham). Porto Rico

3. Entada polystachya (L.) DC. Minn. Leg. 434. 1825.

Mimosa polystachya L. Sp. Pl. 520. 1753.

Mimosa bipinnata Aubl. Pl. Guian. 2: 946. 1775.

Mimosa caudata Vahl, Eclog. 3: 35. 1807.

Mimosa chiliantha G. F. W. Meyer, Prim. Fl. Esseg. 163. 1818.

Entada chiliantha DC. Prodr. 2: 425. 1825.

Acacia caudata DC. Prodr. 2: 456. 1825.

Entada Plumieri Spreng. Syst. 4²: 164. 1827.

Type locality: tropical America.

Distribution: Tobago [Eggers 5462, Broadway 3171]; Trinidad [Britton & Hazen 1171]; French Guiana [Broadway 255, 822]; Dutch Guiana [Kegel 355], British Guiana [Jenman 4944; Hitchcock 16725, 16803; Adenanthera Bonplandiana H.B.K. Nov. Gen. 6: 311. 1824.

128
La Cruz 4100]; Venezuela [Curran & Haman 1306; Bailey 1581;
Broadway 220]; Colombia [André 213; H. H. Smith 878]; Ecuador
[Rose & Rose 23581] Guerrero to Panama; Hispaniola; Guadeloupe
to Grenada.

Illustrations: Jacq. Stirp. Am. pl. 183; Plumieri Am. pl. 12;
DC. Mim. Leg. pl. 61, 62.

Pentaclethra Kuntze
Pentaclethra filamentosa Kuntze

129

39 Pentaclethra in northern South America

1. Pentaclethra macroloba (Willd.) Kuntze, Rev. Gen. Pl. 201. 1891.

Acacia macroloba Willd. Sp. Pl. 4: 1060. 1806.

Mimosa macroloba Poir. in Lam. Encycl. Suppl. 1: 66. 1810.

Acacia aspidioides G. F. W. Meyer, Prim. Fl. Esseq. 165. 1818.

Pentaclethra filamentosa Benth. Journ. Bot. Hook. 2: 127. 1840

Pentaclethra brevipila Benth. loc. cit. 128. 1840

Type locality: Para, Brazil.

Distribution: Trinidad [Kuntze 1053; Britton & Hazen 729; Britton, 2896]
British Guiana [Schomburgk 408; Jenman 7035, 3934; Hitchcock 17168;
Linder 121; Persaud 17; Gleason 166, 266, 550; La Cruz 1097, 1995;
2329, 2681, 3937]; Venezuela [Rusby & Squires 187]. Panama to
Nicaragua.

*Not from Columbia at New York or
Washington, D.C. 1912*

130
40. *Parkia* in northern South America

1. *Parkia pectinata* (H. & B.) Benth. Trans. Linn. Soc. 30: 362. 1875.

Inga pectinata H. & B.; Willd. Sp. Pl. 4: 1026. 1806.

Mimosa pectinata Poir. in Lam. Encycl. Suppl. 1: 48. 1810.

Acacia pectinata H.B.K. Nov. Gen. 6: 282. 1824.

Type locality: Cassiquiare River, Upper Orinoco.

Distribution: known only from the type locality, and to us from description only.

2. *Parkia nitida* Miquel, Stirp. Sur. 7. 1850.

Type locality: Surinan.

Distribution: known only from the type locality, and to us from description only. Recorded by Benoist (Bull. Soc. Bot. France 66: 387) from Charvein, French Guiana.

3. *Parkia arborea* (Karst.)

Paryphosphaera arborea Karst. Fl. Col. 2: 7. 1862.

Parkia paryphosphaera Benth. Trans. Linn. Soc. 30: 363. 1875.

Type locality: eastern declivity of the Cordillera of Bogota, Colombia.

Distribution: known only from the type locality.

Illustration: Karst. loc. cit. pl. 104.

Note. Not in New York Herbarium, May, 1928.

4. Parkia oppositifolia Spruce; Benth. Trans. Linn. Soc. 30: 363. 1875.

Type locality: northern Brazil.

Distribution: British Guiana [Gleason 824] Brazil.

Illustration: Mart. Fl. Bras. 15²: pl. 69.

5. Parkia ?

See Abraham 184, British Guiana.

6. Parkia velutina Benoist, Notul. Syst. 3: 271. 1916.

Type locality: Charvein, French Guiana.

Distribution: French Guiana.

Note. Not in New York Herbarium, 1928.

7. Parkia pendula (Willd.) Benth. in Walp. Rep. 5: 577.

Inga pendula Willd., Sp. Pl. 4: 1025. 1806.

Mimosa pendula Poir. in Lam. Encycl. Suppl. 1: 47. 1810.

Type locality: Para, Brazil.

Distribution: French Guiana (ex Benoist) Brazil.

8. Parkia inimosa Willd. Sp. Pl. 4: 1025. 1806.

22: 411, 1926

Type locality: Surinam

Distribution: Dutch Guiana

1942

1942

May 1	1.00
May 2	1.00
May 3	1.00
May 4	1.00
May 5	1.00
May 6	1.00
May 7	1.00
May 8	1.00
May 9	1.00
May 10	1.00
May 11	1.00
May 12	1.00
May 13	1.00
May 14	1.00
May 15	1.00
May 16	1.00
May 17	1.00
May 18	1.00
May 19	1.00
May 20	1.00
May 21	1.00
May 22	1.00
May 23	1.00
May 24	1.00
May 25	1.00
May 26	1.00
May 27	1.00
May 28	1.00
May 29	1.00
May 30	1.00
May 31	1.00

Macallia	80
Poponau	81
Ocasilda	85
Surpalia	86
Enucua	91
Aucau	93
Reptolotis	95
Thimora	96
Thomimora	115
Thimoropris	116
Heptunia	117
Heltenia	118
Styphnodendron	119
Piptadenia	120
Nioha	124
Pityrocarpa	125
(Pinus)	126
Eucada	127
Eucadohis	127
Anticledora	129
Antia	130

Stems for the paper - (over)
the most common of the Hawaiian flora

12. *Adiantum broadwayi* (Pursh)

26. *Calamita lugens* ✓

33. *Pithecellobium rostratum*

36. *Pithecellobium*

38. ~~*Leptocarpus asper*~~ ✓

40. ~~*Leptocarpus asper*~~

41. ~~*Leptocarpus asper*~~

42. ~~*Leptocarpus asper*~~

44. *Leptocarpus asper*

46. *Leptocarpus asper*

48. *Leptocarpus*

49. *Leptocarpus*

50. *Leptocarpus*

51. ~~*Leptocarpus asper*~~

52. ~~*Leptocarpus asper*~~ ✓

54. *Leptocarpus asper* ✓

60. *Leptocarpus asper*

62. *Leptocarpus asper* ✓

64. *Leptocarpus asper*

82. *Polyporus* *hirsutus* +

85. ~~*Boletus* *hirsutus*~~ + *species*

86. *Cantharellus* *hirsutus* +

91. ~~*Cantharellus* *hirsutus*~~ + *species*

94. ~~*Cantharellus* *hirsutus*~~ + *species*

98. ~~*Cantharellus* *hirsutus*~~ written

115. *Cantharellus* *hirsutus*

116. *Cantharellus* *hirsutus*

118. *Cantharellus* *hirsutus* + *species*

122. *Cantharellus* *hirsutus*

125. ~~*Cantharellus* *hirsutus*~~ + *species*

126. ~~*Cantharellus* *hirsutus*~~ + *species*

131. *Cantharellus* *hirsutus*

